



# The Professional Photo SourceBook



\$9.95  
First Edition

420 Ninth Avenue, New York, NY 10001

Toll Free  
800 947-6650

Fax:  
800.947.7008

In New York:  
212 444-6630

Fax:  
212.239.7770

On the Web: [www.bhphotovideo.com](http://www.bhphotovideo.com)



# Visit Our New Super Store!

**COMING SOON!**  
Our new expanded film and consumable media department

## Photo

Cameras, from 8x10 to APS, plus every lens, bag, tripod, binocular, underwater camera and accessory. Pro lighting and grip equipment for Xenon, Tungsten, and HMI applications.

## Audio

State-of-the-art custom-designed soundrooms for evaluating microphones, near- and mid-field studio monitor speakers, and audio processing gear. All the hardware and software you need for editing and signal manipulation is also on display.

## Video

Pro camera shootout, non-linear edit showroom, monitor wall, tripods, Sony and Panasonic demo pavilions. Prosumer camcorders, VCRs, DVD plus every accessory the pro or prosumer might need.

## Darkroom

Enlargers, lenses, timers, easels, paper, chemistry and accessories. All you need to process, print, retouch, mount and display black-and-white or color images.

## Used

Buy - Sell - Trade. All types of imaging products for use or collecting. Whether you're a beginner, student, pro, or collector, this is a must-visit section.

## Electronic Photography

Where the future of photography is on display today. Cameras, scanners, software, printers, storage devices and accessories all in our showroom.

## Film

Conveniently located and fully stocked. If you need one roll or 100, all formats, types and brands are available. We also provide fast drop-off for film processing, enlargements or electronic imaging services.





420 Ninth Avenue  
New York, NY 10001



Tel: 212 444-6630  
Fax: 212 239-7770

## **T H E   P R O F E S S I O N A L ' S   S O U R C E**

*To Our Customers:*

*We are delighted to present the first edition of our much anticipated  
**PROFESSIONAL PHOTO SOURCEBOOK.***

*We've included everything you need to make informed decisions about the equipment and supplies available to help you do the best and most creative job you can.*

*THE PROFESSIONAL PHOTO SOURCEBOOK contains:*

- ❖ *Thousands of informative product descriptions*
- ❖ *Product photos*
- ❖ *Extensive product feature and specification listings*
- ❖ *Prices for our complete line of medium and large format pro equipment*

*This all-inclusive resource extends our long-standing commitment to you, our valued customer. We are your one-stop source for accurate, detailed product information, backed up with the largest in-stock inventory in the industry. Our trained and seasoned staff includes many professional photographers who are always ready to guide and assist you.*

*This SourceBook is an extension of our goal at B&H. When you seek advice, B&H offers it, whether in person, on the phone, or on the World Wide Web. We take all the time necessary for you to understand the features and benefits of every item you are interested in, thus enabling you to accomplish your goals. With the right information, you make the right choice.*

*We are committed to maintaining our reputation for honesty and integrity, and to making certain that your shopping experience here is pleasant and productive.*

*Enjoy your **PROFESSIONAL PHOTO SOURCEBOOK.***

*Thank you,*

**Sam Goldstein**

*Sam Goldstein, President*



# The Professional Photo SourceBook

# SourceBook

## Table of Contents

1.	Medium Format .....	9
2	Professional Panorama ....	111
3a	Large Format (Field) .....	123
3b	Large Format (View) .....	157
4	Large Format Lenses .....	229
5	Pro Accessories .....	245
6	Loupes .....	291
7.	Lightmeters .....	301
8	Camera Filters .....	323
9	Camera Supports .....	403
10	Lightboxes .....	469
11.	Library .....	485
12	Medium and Large Format Projectors ...	499
13	Copy Equipment .....	507
14	Bags & Cases .....	533
	Miscellaneous .....	596
15	Used and Trade-In Information .....	602-603
	Shipping Information ..	604-608





*The*  
**Professional's Source**

**420 Ninth Avenue  
New York, N.Y. 10001**

**For orders  
or product  
information:**

In USA, Call Toll Free:  
**800.947.6650**  
Worldwide and In New York:  
**212.444.6630**

Fax Toll Free: (24 Hours)  
**800.947.7008**  
Fax 24 hours in New York:  
**212.239.7770**

**Customer  
Service  
inquiries:**

In USA, Call Toll Free:  
**800.221.5743**  
Worldwide and In New York:  
**212.239.7765**

Fax Toll Free: (24 Hours)  
**800.947.2215**  
Fax 24 hours in New York:  
**212.239.7549**

**On the web:**

**www.bhphotovideo.com**

**STORE AND MAIL ORDER HOURS:**

**Sunday 10:00-5:00 • Monday thru Thursday 9:00-7:00 • Friday 9:00-1:00**

## **P L A C I N G   Y O U R   O R D E R   I S   E A S Y !**

When you call the B & H order department, you will connect with a professionally-trained, courteous sales representative who will:

- Give you any information you need
- Help you decide which equipment suits you best
- Explain specific product features and specs
- Advise you of our unadvertised specials
- Freely quote and compare prices
- Inform you about products not listed in the SourceBook
- Keep you abreast of the latest in photo technology

BY PHONE BY PHONE BY PHONE  
**BY PHONE:**

Call **800-947-6650** or **212-444-6630** during business hours. When using a credit card, please have your credit card number and expiration date ready. We will need the cardholder's billing address, home and daytime phone numbers.\* Should the shipping address be different then the billing address, we will need a ship-to phone number.

BY FAX BY FAX BY FAX BY FAX BY  
**BY FAX:**

Fax your order to our 24-hour fax line: **800-947-7008** or **212-239-7770**. If you are paying by credit card, please indicate billing and shipping addresses, credit card number, expiration date, home and daytime phone numbers, and **sign your order**.\* Should the shipping address be different then the billing address, we will need a ship-to phone number. For international orders, please fax a copy of **BOTH** sides of your credit card.

BY MAIL BY MAIL BY MAIL BY MAIL  
**BY MAIL:**

Mail your order to: **B & H Photo-Video-Pro Audio, 420 Ninth Avenue, New York, NY 10001**. For your convenience, an order form is provided at the back of the SourceBook. Please print your name, address, and phone number clearly. Call to confirm prices before sending in your order. **If paying by credit card**, please include billing and shipping addresses, credit card number and expiration date, home and daytime phone numbers, and **sign your order**.\* Should the shipping address be different then the billing address, we will need a ship-to phone number. **If paying by check**, please be sure to include shipping charges. New York State residents must include applicable sales tax, unless an exemption or resale certificate is on file with us.

ON LINE ON LINE ON LINE ON LINE  
**ON LINE:**

E-mail your order or inquiry to **photo@bhphotovideo.com**, or see our on-line order form at:  
**http://www.bhphotovideo.com/orderform.html**

## **M E T H O D   O F   P A Y M E N T**

**Credit card:**



Credit card orders must include all information as it appears on the credit card account: Card Number, Expiration Date, Name of Cardholder, Billing Address, and Phone Number.

**Check:**

We accept certified checks, bank checks or money orders, as well as personal checks with bank-imprinted name, up to \$15,000. Checks must be in U.S. funds and drawn on a U.S. bank.

**C.O. D.:**

A 10% deposit is required, payable by either check or credit card, which must be received prior to shipment. COD balances are payable only by certified check or money order.

*\*To protect our customers from fraud, all orders are subject to verification procedures. If we cannot reach you to verify your order, there could be a shipping delay.*

## SHIPPING

We endeavor to ship every order within 24 hours of receiving it. Shipments are generally made via Fedex Saver within the continental U.S.A. (Orders to Post Office boxes will be sent via US mail. Oversized

merchandise will be shipped via truck.) For faster delivery, 2nd day air and next day air service are available.

Detailed shipping information is listed in the back of this catalog.

### When you receive your order, please follow these instructions

- Verify that you received all ordered items
- Carefully inspect that all merchandise is in perfect condition
- Test all equipment *after reading instruction manuals*
- If there are any problems with your order, please call our Customer Service Department immediately at:  
Toll Free: **800-221-5743** In New York: **212-239-7765**

- Any damage to your order must be reported *within 2 business days*
- Until satisfied with your order. . .  
... Do NOT discard ANY of the packaging materials such as boxes, instructions, styrofoam inserts, plastic bags, etc.  
... Do NOT fill out the manufacturer's warranty cards
- Retain your invoice

- If you need to return merchandise, please see page 605

**B & H extends a 14-day Customer Satisfaction Guarantee on all our photo equipment (software and soft goods excluded).**

## TECHNICAL SUPPORT

As part of our continuing commitment to our customers, B&H has specially-trained technical support representatives who will guide you through setting up and/or operating your equipment. If you have any questions about any technical situation, please call and ask for Technical Assistance.

## WARRANTIES

All our photo merchandise is fully warrantied by the manufacturer. Should you require service under warranty after the 14-day B&H Customer Satisfaction Guarantee, please return the item directly to the manufacturer or their authorized service center.

## CORPORATE ACCOUNTS

We invite government agencies, educational institutions, and large corporations to apply for open account status. For information, ask for our Corporate Accounts representative.

## USED EQUIPMENT an TRADE-INS

If you would like to buy used equipment, or sell your used equipment, for cash or credit toward a new purchase, call and ask for our Used Department. All our used photo equipment carries a 90-day warranty. (See pages 602-603 for details.)

## IN NEW YORK

Be sure to visit our new retail Superstore. Our unique interactive Multi-Media displays, demo rooms and full line product displays are available for you to evaluate. We look forward to meeting you in person.

## AROUND THE USA

Visit our booth at these national conventions:  
PP of A, Viscomm/ Photo Plus, WPPI, Photo Pro Expo  
and state and regional conventions throughout the country.

## LEASING

Qualified businesses may take advantage of flexible leasing options on major purchases. If leasing is an attractive purchase alternative for your business, please call and ask for our Leasing Department to discuss different options.

## GIFT CERTIFICATE

We invite you to buy Gift Certificates for that special someone. They can be used on all purchases.

## HOLIDAY SCHEDULE

When planning your purchase, please keep in mind our holiday schedule, and order early so that we can serve you better.

### We Will Be Closed The Following Days:

Sunday-Monday .....	May 31-June 1, 1998
Sunday .....	August 2, 1998
Monday-Tuesday .....	September 21-22, 1998
Wednesday .....	September 30, 1998
Sunday -Tuesday .....	October 4-13, 1998
Thursday .....	November 26, 1998
Friday .....	December 25, 1998
Friday .....	January 1, 1999
Tuesday .....	March 2, 1999
Wednesday-Thursday .....	March 31-April 8, 1999
Friday .....	May 21, 1999
Sunday .....	July 4, 1999
Thursday .....	July 22, 1999
Sunday .....	September 12, 1999
Monday .....	September 20, 1999
Friday-Sunday .....	September 24-October 3, 1999
Thursday .....	November 25, 1999

Due to the extra-high volume of calls we receive in the 2 to 3 days following our extended holidays, we prolong our hours and increase our sales staff to accommodate our customers. We appreciate your patience in your attempts to get through.



# Coming Soon!

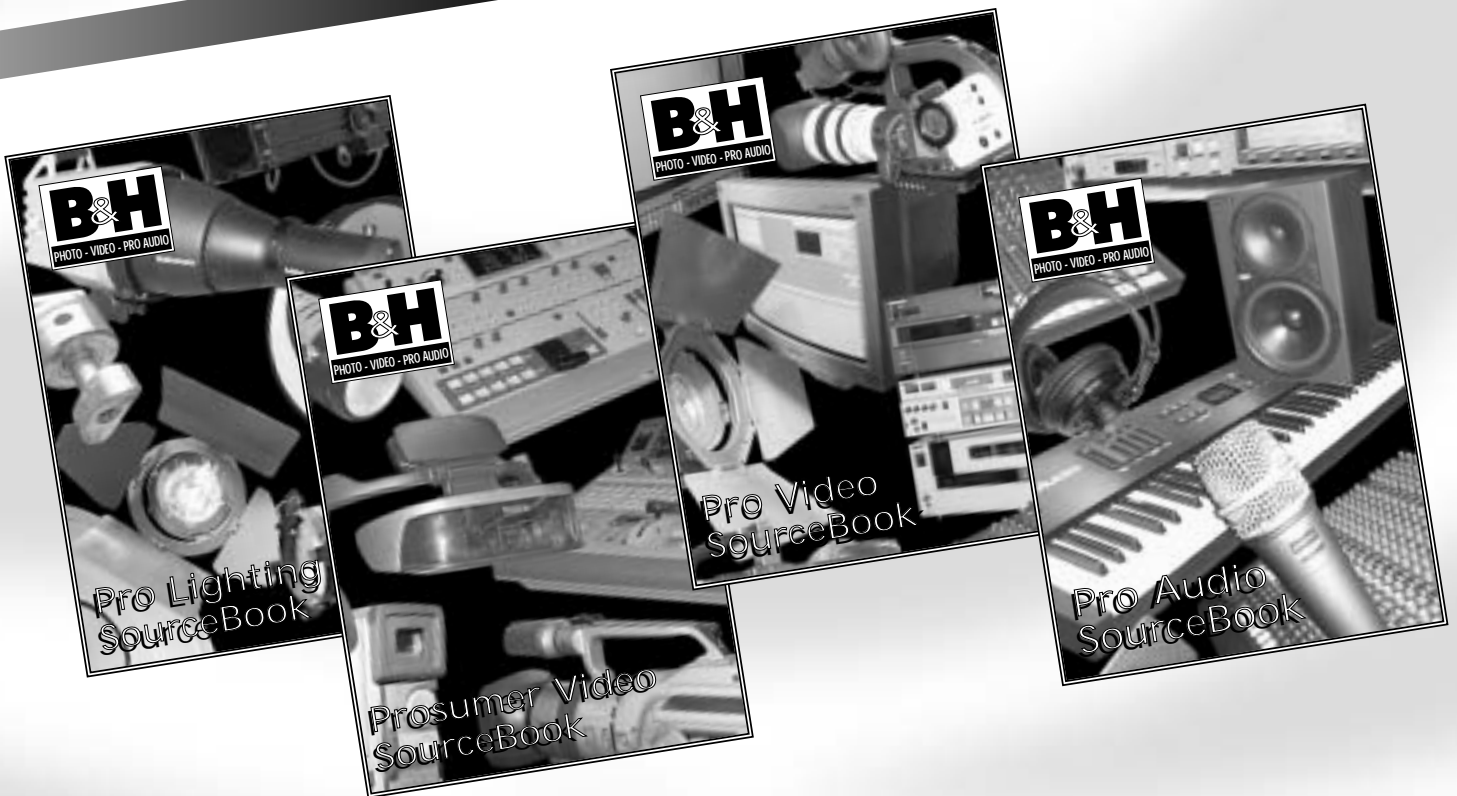
## Additional B&H Publications...

PROSUMER VIDEO

PROFESSIONAL VIDEO

PROFESSIONAL AUDIO

PROFESSIONAL LIGHTING



### **Our publications contain:**

- ❖ Thousands of informative product descriptions
- ❖ Extensive product feature and specifications listings
- ❖ Loads of product photos

# If you...

...are serious about photography,  
electronic photography, video, pro audio

...want to keep up with the latest in  
equipment and accessories

...and would like to take advantage of our  
everyday low prices and monthly specials

## You need the...



# MONTHLY BROCHURE

Our Monthly Brochures provide the latest  
up-to-date prices for most of our photo, video,  
imaging, and pro audio equipment and their  
accessories. They include the newest products  
and feature manufacturers' specials

## Best of all ... it's FREE!

To subscribe, write to:

— **B&H PHOTO-VIDEO** —

420 Ninth Avenue, NYC, NY 10001

In USA call: **1.800.947.6933**

Worldwide and In New York: **212.444.6633**

or e-mail: **brochure@bhphotovideo.com**





# VISIT US ON THE WEB!

## SEE FOR YOURSELF WHAT OUR ACTIVE CUSTOMERS ALREADY KNOW!



“www.bhphotovideo.com  
The Professional's Source is On-Line  
**BOOKMARK IT!**”

**Not sure what to get  
for that Special Someone..?**



**Give the Perfect Gift —  
The B&H Gift Certificate**

- Convenient, easy to buy and simple to use
- Good toward any B&H purchase
- Available in any amount
- Sure to please the photo enthusiast on your Give List

## **PRICE UPDATES**

Prices are valid during publication date March 1998. Prices change from time to time. For the most up-to-date price information, we invite you to subscribe to our free 100 plus page monthly flyer. See page 5 for details.

If you need a current price right now, please phone, fax or visit our website.

We're always happy to help you with up-to-the-minute information, product updates, new releases and the like.

## **USED**

***We buy, sell and  
trade all types  
of equipment.  
Please turn to  
pages 602-603  
for details.***





# The Professional Photo SourceBook

## Section 1

### Medium Format

Introduction .....	10
Bronica 6x4.5 .....	11-16
Bronica 6x6 .....	17-22
Bronica 6x7 .....	23-27
Fuji 6x4.5 .....	28
Fuji 6x7 .....	29
Fuji 6x8 .....	30-32
Fuji 6x9 .....	33
Hasselblad 6x6 .....	34-54
LRX (Beattie) .....	55-56
Mamiya 6x4.5 .....	57-64
Mamiya 6x6 .....	65-66, 75
Mamiya 6x7 .....	67-82
Pentax 6x4.5 .....	83-89
Pentax 6x7 .....	90-95
Rollei 6x6 .....	96-109

# INTRODUCTION

## MEDIUM FORMAT

As the format of choice among wedding, fashion, and portrait photographers, **Medium Format** includes all cameras which accept 120 or 220 film sizes. The outstanding attraction of medium format is the superlative image available due to the substantially larger film format and increased image size on the negative or transparency. Because medium format negatives require less enlargement than smaller 35mm negatives to produce the same image size on the print, identical negatives on the same type of 35mm and 120/220 film will produce remarkably different prints. The 120/220 format delivers more resolution, finer grain, an expanded grey scale, and a visually more pleasing image. Medium format cameras are available in the following different variations:

FORMAT	EXPOSURES WITH 120 FILM	EXPOSURES WITH 220 FILM
6x4.5	15	30
6x6cm	12	24
6x7cm	10	20
6x8cm	9	18
6x9cm	8	16

The 6x4.5 and 6x7 formats enlarge to the exact ratio of an 8x10 print which allows the photographer to shoot the most traditional print size without cropping. The popular 6x6 square format gives photographers the option to crop either horizontally or vertically after the film is processed. The 6x9 format produces a negative in the same 1:1.5 ration as the traditional 35mm format.

Perhaps the most attractive feature of medium format systems is that the vast majority of them come with interchangeable film backs. This gives the photographer an opportunity to reload quickly in the middle of a tight shooting situation such as a wedding or runway assignments. It also permits changing from slide to negative, black-and-white to color, or slow to fast films in mid roll without losing a frame. Most systems with interchangeable backs also allow the use of 35mm film in standard and panorama formats, and Polaroid backs, which let the user check lighting, exposure, or layout options before exposing their other film.



Hasselblad  
6x6cm medium  
format camera

Bronica  
100mm lens



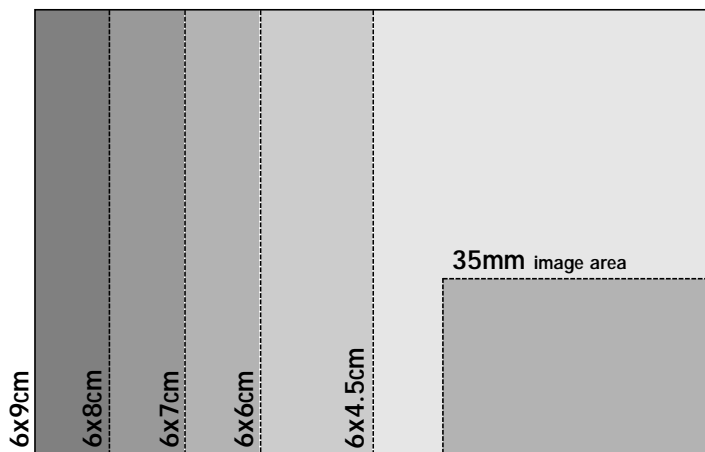
Today, most medium format cameras are "system cameras," with popular options that include motor winders, inter-

changeable viewfinders with or without exposure meters, grips and an array or lenses rivaling 35mm in choice. These include perspective control lenses, tele-extendors and zooms. From the 24mm full-frame fisheye lens to the 500mm telephoto lens with low dispersion glass and floating elements, almost every option is available. Lenses with fast f/2.8 maximum apertures are standard. Several manufacturers also offer soft-focus lenses in popular portrait focal lengths.

Furthermore, many medium format lenses are equipped with leaf-type in-lens shutters. While the top speed of these lenses is usually limited to 1/500 second, the option of flash exposure at any speed is a tremendous benefit for the outdoor photographer who seeks complete exposure control.

Altogether, the options of switching film backs in mid-roll, interchangeable viewfinders and screens, and the large negative, coupled with technical innovations like TTL/OTF flash control and electronically timed shutter speeds for unparalleled accuracy makes medium format the choice for quality conscious professionals and serious amateurs alike.

The different medium format sizes compared to 35mm format





# BRONICA

## ETRSi 6x4.5 SYSTEM

*The 6x4.5 system camera with a frame size about 2.7 times larger than the 35mm format, obtains high quality images. The superior design of the ETRSi increases the creativity of the photographer in pursuit of new image expressions. With the optional AE-III viewfinder, aperture priority auto-exposure with TTL-metering is possible. When used with a dedicated flash, the ETRSi provides OTF/TTL flash metering. The ETRSi truly delivers advanced photography with handling ease.*



*Bronica ETRSi shown with a 75mm f/2.8 lens, 120 Film Back and Waist-Level Finder*

MEDIUM FORMAT

11

### FEATURES

- Greater handling speed in a compact, lightweight "system" camera design
- Between-the-lens shutter system for flash sync at all speeds
- Lenses designed for superior color balance and sharpness
- Finder interchangeability to match any shooting mode
- Multifformat system permits changing films and formats at any time
- SCA system compatibility for TTL auto flash operation
- Handles as easily as a 35mm camera with the optional Speed Grip
- Optional lightweight motor winder system for fast shooting actions

ETRSi Camera Body (BE2015)  
With strap, battery and Ei matte screen.  
Item # BRETRSI.....975.00

ETRSi Camera Outfit  
ETRSi body, 120 Ei back, Ei matte screen, waist-level finder, and 75mm lens.  
Item # BRETRSI120WL...2,221.40

### ETRSi SPECIFICATIONS

#### TYPE:

6 x 4.5cm format (2 1/4 x 1 1/8") lens shutter single lens reflex camera system, with interchangeable lens, film back, finder and focusing screen.

#### LENS MOUNT:

Four-claw ETR mount

#### FILM ADVANCE:

Film winding crank; Optional speed grip for faster manual handling, or optional power winder for automatic handling

#### VIEWFINDER:

Interchangeable finder system; 94% of actual field of view

#### FOCUSING SCREEN:

Interchangeable type; standard screen is all matte with center spot

#### MIRROR LOCK-UP:

Possible with lever on body

#### MULTIPLE EXPOSURE:

Possible with lever on body

#### LENS DIAPHRAGM:

Fully automatic instant reopening diaphragm action; equal-distance aperture scale graduations; depth of field preview

#### SHUTTER:

Electronic control Seiko #0 between-the-lens leaf shutter; shutter speeds 8 sec. to 1/500 sec. +B and T; mechanical control setting of 1/500 sec.

#### FILM BACK:

Daylight loading; interchangeable type; exclusive film backs for 120, 220 roll film, 35mm film and Polaroid pack film

#### FILM:

120 (15 exp.) and 220 (30 exp.) roll film, 35mm film and Polaroid pack film with exclusive film backs for each type

#### FLASH SYNCHRONIZATION:

X-setting (all speeds to 1/500 sec.)

#### FLASH:

TTL OTF auto flash operation with SCA 386 flash adapter

#### BATTERY CHECK:

Red LED visible within screen area when battery check button is depressed, if there is sufficient power; also doubles as shutter function signal

#### BATTERY:

Uses PX28 silver oxide, PX28L lithium, 4LR44 alkaline or equivalent 6V battery; also powers AE-II and AE-III finders, when attached

#### DIMENSIONS:

Body: 3.6 x 3.4 x 2.7" (92 x 87 x 69mm) W.H.L.

#### WEIGHT:

Body: 16.6 oz. (470g)

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# BRONICA

## ETRSi

100mm  
f/4.0  
Macro  
Lens  
(BE2219)



### Zoom

**45-90mm f/4-5.6 (BE2234)**  
Aspherical wide to mid-range telephoto lens.  
**Item # BR45904PE.....1,439.00**

**100-220mm f/4.8 (BE2233)**  
Internal focusing. Provides close-focusing up to 3.3' (1m) minimum object distance throughout the zoom range.  
**Item # BR10022048PE..1,894.00**

### Tele-Converters

**1.4x Tele-Converter (BE2231)**  
For 75-500mm lenses.  
**Item # BR1.4XPE.....815.00**

**2x Tele-Converter (BE2232)**  
For 75-500mm lenses.  
**Item # BR2XPE.....835.00**

### ZENZANON PE LENSES

Zenzanon PE lenses feature electronic flash synchronization to  $\frac{1}{500}$  sec. This facilitates daylight fill-in flash at all shutter speeds, overcoming high contrast in against-the-light shots, and studio work with high-speed flash illumination. They offer  $\frac{1}{2}$  stop settings which allow precise exposure control.

Seiko #0 shutters in each lens are controlled by an electronic timer in the camera body. This functional design guarantees shutter speed reliability no matter which lens is mounted on the camera.

#### Wide Angle

**30mm f/3.5 Fish-Eye (BE2210)**  
**Item # BR3035PE.....2925.00**

**40mm f/4.0 (BE2211)**  
**Item # BR404PE.....1,315.00**

**50mm f/2.8 (BE2212)**  
**Item # BR5028PE.....1,199.00**

**60mm f/2.8 (BE2222)**  
**Item # BR6028PE.....1,199.00**

#### Standard

**75mm f/2.8 (BE2213)**  
**Item # BR7528PE.....759.00**

#### Telephoto

**100mm f/4.0 Macro (BE2219)**  
**Item # BR1004MPE.....1,165.00**

**105mm f/4.5 Macro (BE2224)**  
With case and built-in hood.  
**Item # BR10545MPE..1,294.00**

**135mm f/4.0 (BE2214)**  
**Item # BR1354PE.....1,135.00**

**150mm f/3.5 (BE2215)**  
**Item # BR15035PE.....1,199.00**

**180mm f/4.5 (BE2223)**  
**Item # BR18045PE.....1,535.00**

**200mm f/4.5 (BE2216)**  
**Item # BR20045PE.....1,215.00**

**250mm f/5.6 (BE2217)**  
**Item # BR25056PE.....1,325.00**

**500mm f/8.0 (BE2218)**  
With aluminum case and built-in hood.  
**Item # BR5008PE.....10,999.95**

**500mm E II f/8.0 (BE2208)**  
With built-in hood.  
**Item # BR5008E2.....3,188.95**

### SPECIFICATIONS OF ZENZANON PE LENSES

Lens	30mm	40mm	50mm	60mm	75mm	100mm	105mm	135mm	150mm
Aperture Range f.	3.5-22	4-22	2.8-22	2.8-22	2.8-22	4-32	4.5-32	4-32	3.5-22
Angle of View	108°	82.1°	69.7°	60.7°	49.7°	38.4°	36.9°	29.1°	26.1°
Lens Construction	8G, 11E	8G, 9E	7G, 9E	7G, 7E	5G, 6E	4G, 6E	8G, 9E	4G, 4E	5G, 6E
Minimum Focusing	10.6" (.27m)	13.8" (.35m)	18.1" (.46m)	16.5" (.42m)	23.6" (.6m)	24" (.61m)	13.8" (.35m)	39.3" (1.0m)	59" (1.5m)
Weight	31.7 oz. (900g)	18 oz. (510g)	17.3 oz. (490g)	18.3 oz. (520g)	15.5 oz. (440g)	23 oz. (650g)	29 oz. (817g)	26.5 oz. (750g)	22.9 oz. (650g)
Length	3.3" (84.5mm)	1.99" (51mm)	1.99" (51mm)	2.1" (54mm)	1.95" (49.5mm)	3.4" (86.7mm)	4.1" (104mm)	3.6" (91.5mm)	2.8" (71mm)
Equivalent Focal Length in 35mm Format	18mm	24mm	30mm	36mm	45mm	60mm	63mm	81mm	90mm
Filter Size	32.5mm	62mm	62mm	62mm	62mm	62mm	67mm	62mm	62mm

Subject to change without notice

### SPECIFICATIONS OF ZENZANON PE LENSES

Lens	180mm	200mm	250mm	500mm	500mm E II	45-90mm	100-220mm	1.4x Tele	2x Tele
Aperture Range f.	4.5-32	4.5-32	5.6-45	8-64	8-45	4-5.6	4.8-32	—	—
Angle of View	21.9°	20.2°	16.2°	8.1°	8°	—	38-18	% of lens used	% of lens used
Lens Construction	8G, 9E	5G, 6E	6G, 6E	6G, 7E	6G, 7E	10G, 11E	13G, 16E	5G, 5E	5G, 6E
Minimum Focusing	39.3" (1m)	78.7" (2m)	118" (3m)	314.5" (8m)	334" (8.5m)	—	3.3' (1m)	Same	Same
Weight	29.6 oz. (840g)	30.7 oz. (870g)	32 oz. (910g)	132.6 oz. (3760g)	38 oz. (1890g)	36.3 oz. (1015g)	4.25 lbs. (1940g)	10.6 oz. (300g)	16.2 oz. (460g)
Length	4.2" (107.5mm)	4.1" (109mm)	5.8" (147mm)	12.5" (318mm)	10.5" (267mm)	4.3" (108.5mm)	7.1" (180.5mm)	1.1" (28mm)	2.1" (5.3mm)
Equivalent Focal Length in 35mm Format	110mm	120mm	150mm	300mm	300mm	28-56mm	60-132mm	1.4x lens used	Double lens used
Filter Size	62mm	62mm	62mm	122mm	95mm	95mm	95mm	—	—

Subject to change without notice



## FILM BACKS

The ETRSi features a built-in dark slide safety system for complete protection against accidental exposure. The film back cannot be removed without inserting the dark slide and the dark slide cannot be removed from a back once it is taken off the camera.

**120 Ei Film Back with Insert** (BE2105)  
15 exposures.  
**Item # BRFB120E.....359.00**

**220 Ei Film Back with Insert** (BE2115)  
30 exposures.  
**Item # BRFB220E.....359.00**

**120 Ei Film Insert** (BE2145)  
15 exposures.  
**Item # BRI120E.....249.00**

**220 Ei Film Insert** (BE2146)  
30 exposures.  
**Item # BRI220E.....249.00**

**135-N Film Back** (BE2132)  
For 35mm film. Wide variety of films available, from extremely fine grain to ultra high-speed. 24 x 36mm. 36/24/20/12 exp. Requires BE2665 or BE2666 screen.  
**Item # BRFB35E.....469.00**

**135-W Film Back** (BE2134)  
For 35mm film, with a horizontally-wide frame area of 24 x 54mm. 23/15/12/7 exposures. Requires 56006, 56009, or 56010 screen.  
**Item # BRFB35WE.....469.00**

**Polaroid Film Back** (BE2150)  
Developed with the Polaroid Corporation. Provides 6 x 4.5cm instant pictures for pre-checking light, composition and exposure. Uses 3 1/4 x 4 1/4" pack film.  
**Item # BRFBPE.....389.00**

**Film Back Shell** (BE0214)  
For 120 or 220 film insert.  
**Item # BRFBSE.....127.50**

**Dark Slide** (BE2902)  
For E and Ei film backs. (Replacement.)  
**Item # BRDSE.....17.95**

**Dark Slide E** (BE2901)  
For Polaroid Film Back. (Replacement.)  
**Item # BRDSPBE.....17.95**

**Soft Case** (BE2810)  
For 120, 220, 135-N and 135-W film backs.  
**Item # BRCFBE.....38.95**

**Wide Slide Mounts** (BC2960)  
24 x 54mm. Box of 50.  
**Item # BRSMA.....34.95**

*Polaroid Film Back (BE2150)*



## VIEWFINDERS

**Waist-Level Finder E** (BE2301)  
Lightweight, compact finder for general composition work. Single-action hood erection, with flip-up magnifier for critical focusing. A very easy-to-use finder for general composition work, as well as low-angle shooting, close-ups and copying work.  
**Item # BRFWLE.....126.50**



*High Eye Point Finder (B53008)*

**Prism Finder E** (BE2303)  
Lightweight, compact finder with eye-level focusing is highly suited for quick camera work, as well as general composition. It shows a bright, laterally-correct, upright image. Good for horizontal/vertical viewing.  
**Item # BRFPE.....435.00**

**Rotary Finder E** (BE2304)  
Eyepiece rotates 90° to the left and right, for reflex viewing in both horizontal and vertical formats. Easy-viewing, bright, upright image is laterally correct. This finder is also ideal for low-angle shooting.  
**Item # BRFRE.....525.00**

**AE-III Finder E** (BE2306)  
Aperture-priority AE control, switchable to manual exposure control. Spot metering, switchable to average metering. LCD finder shows operating mode, shutter speed, metering mode and exposure conditions. Built-in adjustable eyepiece diopter from -2.5 to +0.5 increasable with optional diopters.  
**Item # BRFAE3E.....999.00**

**High Eye Point Finder** (B53008)  
Specially designed as an integral accessory for the ETRSi system. Shows complete field of view of a bright, laterally-correct upright image at a point about 6" from the eyepiece and, therefore, is ideal for sports and aerial photography. Attaches to ETR series cameras, as well as the Bronica SQ series with the AP adapter S (an available option).  
**Item # BRFHEPE.....169.00**

**Sports Finder E** (BE2305)  
Originally designed for the U.S. Air Force and Navy, the Sports Finder E allows quick and accurate framing under virtually all shooting situations. The Sports Finder E is especially convenient when the use of a prism finder may not be practical. It attaches directly to the accessory shoe on the Speed Grip and folds flat for convenient storage. Can be used with 50, 75 and 150mm lenses.  
**Item # BRFSE.....422.50**

## EXTENDED PROTECTION PLAN

FOR BRONICA, HASSELBLAD, LINHOF, MAMIYA, PENTAX AND ROLLEI MEDIUM FORMAT EQUIPMENT

**COVERS ALL PARTS AND LABOR  
FOR 3 YEARS PAST  
MANUFACTURER'S WARRANTY.**  
*Must be purchased with camera or lens.*

**3 Year Extended Warranty**  
For cameras up to \$1000.  
**Item # MAEWPC2 .....49.95**

**3 Year Extended Warranty**  
For cameras over \$1000.  
**Item # MAEWPC3 .....59.95**

**3 Year Extended Warranty**  
For lenses up to \$500.  
**Item # MAEWPL1 .....29.95**

**3 Year Extended Warranty**  
For lenses up to \$1000.  
**Item # MAEWPL2 .....34.95**

**3 Year Extended Warranty**  
For lenses over \$1000.  
**Item # MAEWPL3 .....49.95**

**3 Year Extended Warranty**  
For lenses over \$2000.  
**Item # MAEWPL4 .....59.95**

*Dropped, misused, water, sand, or impact damaged equipment not covered.*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



# BRONICA

## ETRSi



### FOCUSING SCREENS

There are eight types of focusing screens that are available for the Bronica ETRSi. They can be interchanged on the basis of lens, film back, and picture-taking conditions, with a simple, single-action operation needed to install or remove them.

#### Ei All Matte (BE2661)

Full matte area screen which shows a clear and bright image which is ideal for portraiture and sports shots, as well as convenient for slow or long focal length lenses; also permits viewing of TTL flash indicator. (Replacement.)

**Item # BRFSMTTLEI .....54.95**

#### Ei Microprism /Split Image (H) (BE2660)

Horizontally-oriented split-image which is surrounded by a microprism ring, making it ideal for a wide range of viewing and focusing applications. It is also suitable for general use.

**Item # BRFSMPSIHEI .....54.95**

#### Ei Microprism/ Split Image 135 (H) (BE2665)

Horizontally-oriented split-image is surrounded by microprism ring, which makes it ideal for a wide range of view-focusing work. With frame lines for use with 135-N and 135-W film backs.

**Item # BRFSMPSIIEI .....54.95**

#### Ei Matte 135 (BE2666)

Full matte area screen has frame lines for use with film back 135-N and 135-W.

**Item # BRFSMIEI .....54.95**

#### Ei Grid-Lines/Matte (BE2662)

Full matte central spot screen with over-all grid-lines. For accurate horizontal and vertical alignment with applications in architectural photography. Also for use in copying work and close-ups.

**Item # BRFSGEI .....54.95**

#### Ei Microprism /Split Image (D) (BE2667)

Diagonally-oriented split-image which is surrounded by a microprism ring, making it ideal for a wide range of viewing and focusing applications. It is also suitable for general use.

**Item # BRFSMPSIDEI .....54.95**

#### Ei Microprism (BE2663)

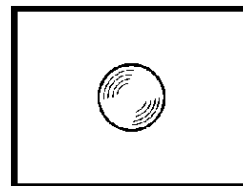
Focusing screen with central microprism spot and surrounding matte area. This screen is suitable for macro applications and for general use.

**Item # BRFSMPEI .....54.95**

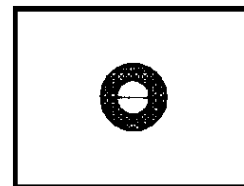
#### Ei Split Image (H) (BE2664)

Horizontally-oriented split-image screen which is ideal for a wide range of view focusing work. Also suitable for general use.

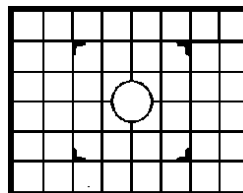
**Item # BRFSIEI .....54.95**



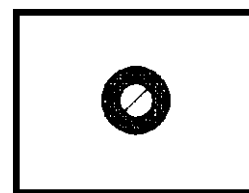
*Ei All Matte (BE2661)*



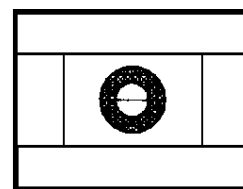
*Ei Microprism/ Split Image (H) (BE2660)*



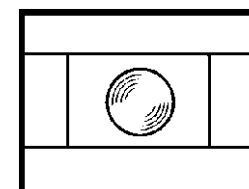
*Ei Grid-Lines/ Matte (BE2662)*



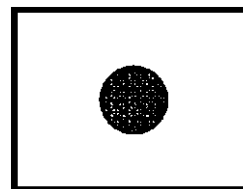
*Ei Microprism/ Split-Image (D) (BE2667)*



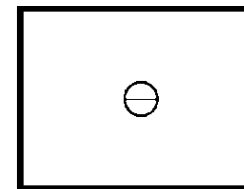
*Ei Microprism/ Split-Image 135 (BE2665)*



*Ei Matte 135 (BE2666)*



*Ei Microprism (BE2663)*



*Ei Split Image (H) (BE2664)*



### BODY ACCESSORIES

#### Speed Grip E (BE2602)

Handle your Bronica like a 35! A thumb winder advances the film and cocks the shutter. The shutter release button is in the front so you don't have to move your hand to touch it. A hot shoe is also incorporated for small flash units.

**Item # BRGSE .....255.00**

#### Hand Strap E (BE2922)

For Speed Grip. (Replacement.)

**Item # BRSHSGE .....17.50**

#### Hot Shoe Cover (BC2924)

For Speed Grip. (Replacement.)

**Item # BRHSSGE .....12.95**



*Speed Grip (BE2602)*

#### Motor Winder Ei (BE2605)

For motorized winding at 0.8 frame/sec. (single frame exposure only) of ETR, ETRC, ETRS, and ETRSi cameras. Features release button, battery check, cable release terminal, hot shoe, main power switch. Requires 6AA batteries.

**Item # BRWE .....445.00**

#### Motor Winder Ei Battery Holder (BE2914) (Replacement.)

**Item # BRBHWE .....36.95**

#### Mechanical Cable Release (BC2655) For ETRSi and SQ-Ai.

**Item # BRCRE .....44.95**

#### 20" Electrical Shutter Release (BC3655) For ETRSi motor drive, SQ-Am, and GS-1.

**Item # BRCREE .....49.95**

#### Tripod Adapter (BC2651)

For Polaroid film back.

**Item # BRTAPBS .....184.50**

#### Remote Battery Pack Ei (BC2658)

For constant power in freezing weather. Includes cord connection to the camera. Uses 4AA batteries. For ETRSi and GS-1.

**Item # BRBPR4AAE .....202.50**

#### Remote Battery Case (BC1656) (Replacement.)

**Item # BRCRBPE .....86.50**

#### Remote Battery Pack (B1630)

For constant power in freezing weather. Comes with cord connection to the camera. Uses 6V battery. For ETRS, SQ-A and GS-1. (Limited availability.)

**Item # BRBPR6VE .....79.95**



## BODY ACCESSORIES

**Winding Crank** (BE2700)  
For ETRS/ETRSi, ETR/ETRC.  
(Replacement.)  
**Item # BRWCE.....24.95**

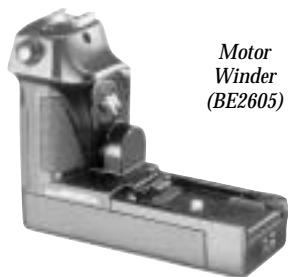
**Body Cap E** (BE2908)  
(Replacement.)  
**Item # BRBCE.....17.95**

**Body Top Cover** (BE2909)  
(Replacement.)  
**Item # BRBCTE.....17.95**

**Body Bottom Cover** (BE2911)  
(Replacement.)  
**Item # BRBCBE.....17.95**

**Body Rear Cover** (BE2926)  
(Replacement.)  
**Item # BRBCRE.....14.95**

**ETRS Battery Chamber Cover** (BE2912)  
(Replacement.)  
**Item # BRBCE.....17.95**



*Motor  
Winder  
(BE2605)*

**ETRSi Battery Compartment Cover** (BC1912)  
(Replacement.)  
**Item # BRBCCEI.....17.95**

**ETRSi Battery 4LR44 alkaline battery.**  
(Replacement.)  
**Item # GB28A.....6.95**

**Synchro Contact Cover** (BC2961)  
For ETRS, ETRSi, SQ-A, SQ.  
(Replacement.)  
**Item # BRSCCE.....12.95**

**Dummy Battery Cord** (BC2659)  
For ETRSi and GS-1.  
(Replacement.)  
**Item # BRCBPE.....102.95**

**Battery Chamber Cover** (BC1914)  
For Remote (Cold Weather)  
Battery Pack. (Replacement.)  
**Item # BRCCRBPE.....19.95**

**Neck Strap** (BC3820)  
For ETRS, ETRSi. (Replacement.)  
**Item # BRSNE.....49.50**



## LENS ACCESSORIES

Bronica offers a full range of lens accessories to allow maximum creative use in all photographic situations.

### Automatic Extension Tubes

Auto Extension Tubes provide increased close-up photography, with automatic diaphragm action, full aperture exposure measurements and no changes in the shutter action.



*Auto Extension Tubes,  
E-14, E-28 & E-42*

**Automatic Extension Tube E-14** (BE2510)  
Extends lens 14mm from body.  
**Item # BRETAE14.....380.00**

**Automatic Extension Tube E-28** (BE2511)  
Extends lens 28mm from body.  
**Item # BRETAE28.....390.00**

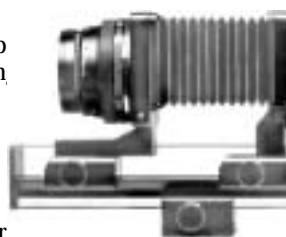
**Automatic Extension Tube E-42** (BE2512)  
Extends lens 42mm from body.  
**Item # BRETAE42.....400.00**

### AUTOMATIC EXTENSION TUBES CLOSE-UP DATA

Lens	Tube Used	Magnification	Area Covered (cm)
75mm	E-14	0.18 ~ 0.36X	23.5 x 30.5 ~ 11.7 x 15.1
	E-28	0.36 ~ 0.54X	11.8 x 15.2 ~ 7.8 x 10.1
	E-42	0.54 ~ 0.73X	7.8 x 10.2 ~ 5.9 x 7.6
40mm	E-14	0.34 ~ 0.51X	12.6 x 16.4 ~ 8.3 x 10.7
	E-28	0.67 ~ 0.85X	6.3 x 8.2 ~ 5.0 x 6.5
	E-42	1.01 ~ 1.19X	4.2 x 5.5 ~ 3.6 x 4.6
50mm	E-14	0.28 ~ 0.42X	15.4 x 20.0 ~ 10.1 x 13.1
	E-28	0.55 ~ 0.70X	7.7 x 10.0 ~ 6.1 x 7.9
	E-42	0.83 ~ 0.97X	5.1 x 6.7 ~ 4.4 x 5.7
100mm	E-14	0.13 ~ 0.29X	31.7 x 41.1 ~ 14.5 x 18.8
	E-28	0.27 ~ 0.43X	15.8 x 20.5 ~ 10.0 x 12.9
	E-42	0.40 ~ 0.56X	10.6 x 13.7 ~ 7.6 x 9.8
150mm	E-14	0.10 ~ 0.23X	44.6 x 57.9 ~ 18.8 x 24.3
	E-28	0.19 ~ 0.32X	22.3 x 28.9 ~ 13.2 x 17.1
	E-42	0.29 ~ 0.42X	14.9 x 19.3 ~ 10.2 x 13.2
200mm	E-14	0.07 ~ 0.21X	59.2 x 76.7 ~ 20.6 x 26.7
	E-28	0.14 ~ 0.28X	29.6 x 38.4 ~ 15.3 x 19.8
	E-42	0.22 ~ 0.35X	19.7 x 25.6 ~ 12.1 x 15.8
250mm	E-14	0.06 ~ 0.16X	74.1 x 96.0 ~ 26.1 x 33.9
	E-28	0.11 ~ 0.22X	37.0 x 48.0 ~ 19.3 x 25.0
	E-42	0.17 ~ 0.28X	24.7 x 32.0 ~ 15.3 x 19.9

### Automatic Bellows

**Automatic Bellows E** (BE2520)  
Variable magnification changes are possible by simply adjusting bellows, with no change in camera operations. And, there is full exposure automation, when used with the AE-III finder. Photographic magnifications up to about 2x with the standard lens. The table below lists the magnification range and area covered for most Bronica lenses.  
**Item # BRBAE.....1,487.00**



*Automatic Bellows (BE2520)  
shown with 75mm f/2.8 lens*

### AUTOMATIC BELLOWS ATTACHMENT CLOSE-UP DATA

Lens	Bellows Extension	Magnification	Area Covered (cm)
75mm	Min.	0.71X	5.99 x 7.76
	Max.	2.18X	1.95 x 2.52
40mm	Min.	1.32X	3.22 x 4.17
	Max.	3.90X	1.09 x 1.41
50mm	Min.	1.08X	3.92 x 5.08
	Max.	3.20X	1.33 x 1.72
100mm	Min.	0.53X	8.06 x 10.4
	Max.	1.64X	2.58 x 3.35
150mm	Min.	0.37X	11.4 x 14.7
	Max.	1.19X	3.59 x 4.65
200mm	Min.	0.28X	15.0 x 19.5
	Max.	0.92X	4.57 x 5.93
250mm	Min.	0.23X	18.9 x 24.4
	Max.	0.74X	5.74 x 7.44

### Lens Hoods

**Lens Hood** (BE2401)  
For 40 and 50mm lenses.  
**Item # BRLH40E.....34.95**

**Lens Hood** (BE2402)  
For 60 and 75mm lenses.  
**Item # BRLH75PE.....34.95**

**Lens Hood** (BE2403)  
For 105, 135, 150, 180, 200 and 250mm telephoto lenses.  
**Item # BRLH105E.....34.95**

**Lens Hood** (BE2405)  
For 100mm Macro lens.  
**Item # BRLH100E.....34.95**



*Lens Hood  
(BE2402)  
shown on  
camera*



Miscellaneous  
Lens Caps

### LENS ACCESSORIES, continued

#### Professional Lens Hoods

##### Professional Lens Hood E (BE2410)

The Professional Lens Hood is the ultimate in reflection flare suppression. Adjustable for most focal lengths. It accepts 75mm (3") square gelatin, glass, and plastic filters as well as 109mm (4 3/8") wide masks/mattes. Accepts the optional adapter rings for use with other lenses. Includes 62mm adapter ring.

Item # **BRPLHE** .....**389.00**

##### Adapter Ring 49mm (B60117)

Item # **BRAR49PLHE** .....**42.50**

##### Adapter Ring 52mm (B60119)

Item # **BRAR52PLHE** .....**42.50**

##### Adapter Ring 55mm (B60120)

Item # **BRAR55PLHE** .....**42.50**



Professional  
Lens Hood (BE2410)

##### Adapter Ring 58mm (B60116)

Item # **BRAR58PLHE** .....**42.50**

##### Adapter Ring 62mm (BE2715) (Replacement.)

Item # **BRAR62PLHE** .....**39.95**

##### 135-250mm Mask (BE2710)

For the Professional Lens Hood E. (Replacement.)

Item # **BRMPLHE** .....**53.95**

#### Focus Lever



##### Rapid Focusing Lever E (BE2650)

When placed over the focusing ring of the Zenzanon lens, the Rapid Focusing Lever provides fast, smooth focusing, to keep up with fast-breaking action. For 40mm, 50mm, 75mm, 100mm, 105mm, 150mm, 200mm and 250mm lenses.

Item # **BRFLE** .....**35.95**

#### Misc. Lens Accessories

##### Lens Cap (BE2906)

62mm Ø.  
(Replacement.)

Item # **BRLC62E** .....**17.95**

##### Lens Cap (BC2904)

For 500mm E II lens, using 102mm Ø.

Item # **BRLC500EQ** .....**36.95**

##### Lens Cap (BC3833)

122mm Ø. (Replacement for current 500mm lenses.)

Item # **BRLC500PE** .....**38.95**

##### Rear Lens Cap E (BE2907)

Fits all Series E lenses.  
(Replacement.)

Item # **BRLCRE** .....**17.95**

#### Misc. Finder Accessories

##### Finder Bottom Cover (BE2910) (Replacement.)

Item # **BRFCBE** .....**14.95**

##### Small Rubber Eyecup (BE2722)

For AE-III finder.

Item # **BRECAEF3S** .....**17.50**

##### Large Rubber Eyecup (BC2723)

For AE-III finder.

Item # **BRECAEF3L** .....**17.50**

##### Rubber Eyecup E (BE2721)

For Rotary Finder E.

Item # **BRECRFE** .....**17.50**

##### Rubber Eyecup (BE2720)

For AE-II and prism finders.  
(Replacement.)

Item # **BRECPFE** .....**17.50**

#### FLASH ACCESSORIES

##### SCA 386 Flash Adapter (BC6386)

For through-the-lens (TTL) off-the-film (OTF) dedicated flash with ETRSi and SQ-Ai when using the CL-45 or CL-60 series Metz flash.

Item # **BRSCA386** .....**210.00**



SCA 386  
Flash Adapter  
(BC6386)

##### ETRSi Flash Bracket (BC2604)

For use with SCA 386 flash adapter and Metz flash.

Item # **BRBE** .....**125.00**

##### SCA Connector Cover (BC2903)

For ETRSi and SQ-Ai.  
(Replacement.)

Item # **BRSCACCEI** .....**12.95**

### FINDER ACCESSORIES

#### Corrective Viewfinder Eyepieces

Makes viewing more comfortable for eyeglass wearers. The following chart will aid you in comparing your eyeglass prescription (B) with an optional corrective eyepiece (A).

#### FOR THE WAIST-LEVEL FINDER

Item #	A		B Eyeglass	Price
	Diopter	Prescription		
BRDP1.5WLFE (BE2610)	+1.5	+3.0		54.95
BRDP.5WLFE (BE2611)	+0.5	+2.0		54.95
BRDM.5WLFE (BE2612)	-0.5	+1.0		54.95
BRDM1.5WLFE (BE2613)-1.5 std.		0		54.95
BRDM2.5WLFE (BE2614)	-2.5	-1.0		54.95
BRDM3.5WLFE (BE2615)	-3.5	-2.0		54.95
BRDM4.5WLFE (BE2616)	-4.5	-3.0		54.95

#### FOR THE AE, AE II AND PRISM FINDERS

Item #	A		B Eyeglass	Price
	Diopter	Prescription		
BRDP1.5PFE (BE2620)	+1.5	+3.0		0.00
BRDP.5PFE (BE2621)	+0.5	+2.0		0.00
BRDM.5PFE (BE2622)	-0.5	+1.0		0.00
BRDM1.5PFE (BE2623)	-1.5 std.	0		0.00
BRDM2.5PFE (BE2624)	-2.5	-1.0		0.00
BRDM3.5PFE (BE2625)	-3.5	-2.0		0.00
BRDM4.5PFE (BE2626)	-4.5	-3.0		0.00

#### FOR ROTARY FINDER

Item #	A		B Eyeglass	Price
	Diopter	Prescription		
BRDP1.5RFE (BE2630)	+1.5	+3.0		54.95
BRDP.5RFE (BE2631)	+0.5	+2.0		54.95
BRDM.5RFE (BE2632)	-0.5	+1.0		54.95
BRDM1.5RFE (BE2633)	-1.5 std.	0		54.95
BRDM2.5RFE (BE2634)	-2.5	-1.0		54.95
BRDM3.5RFE (BE2635)	-3.5	-2.0		54.95
BRDM4.5RFE (BE2636)	-4.5	-3.0		54.95

#### FOR AE-III PRISM FINDER

Item #	A		B Eyeglass	Price
	Diopter	Prescription		
BRDP.5M2.5AE (BE2730)		+0.5 to -2.5 standard variable		54.95
BRDM2M5AE (BE2731)		-2.0 to -5.0 minus variable		54.95
BRDP30AEF3E (BE2732)		-3.0 to 0.0 plus variable		54.95

### CASES

##### Soft Camera Case E (BE2801)

For camera and film back.

Item # **BRCETRSI** .....**72.95**

##### Hard Case (BE2840)

For 500mm lens.

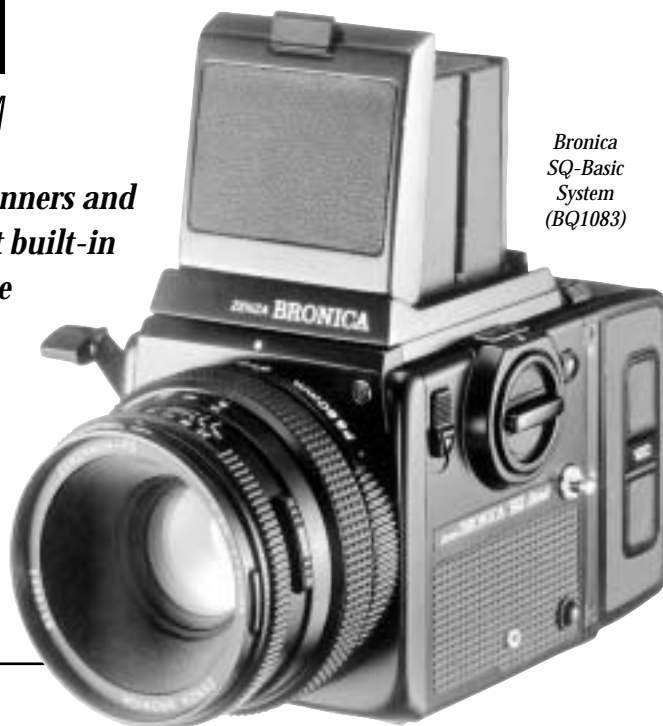
Item # **BRLC500E** .....**89.50**



# BRONICA

## SQ-BASIC 6x6 SYSTEM

*The Bronica SQ-Basic is a great choice for both beginners and students who are being trained to use a camera without built-in AE metering. Advanced professionals who currently use their own specialized hand-held meter will also appreciate this new 6x6 format camera. Packaged in an exclusive display box, this kit consists of the SQ-Basic camera body, a gold-imprinted SQ-B 120 film back, a Zenzanon PS-B 80mm f/2.8 lens, and the SQ-B waist-level finder. The SQ-B is compatible with the whole line of SQ-Ai accessories.*



Bronica  
SQ-Basic  
System  
(BQ1083)

MEDIUM FORMAT

17

### FEATURES

- **Multi-Format system for all types of photographic work**
- **Interchangeable film backs**
- **Mirror lock-up mechanism**
- **Accepts the Bronica unique Speed Grip**
- **Interchangeable lenses, for superior performance**
- **Camera defaults to 1/500 sec. with exhausted battery**

**SQ-B Camera Outfit (SQ1083)**  
SQ-B body, gold-imprinted 120 film back without ISO dial, microprism/split-image screen, 80mm lens, and waist-level finder, all packaged in an exclusive display box.  
**Item # BRSQBK .....1,999.00**

### SQ-BASIC SPECIFICATIONS

#### TYPE:

6 x 6cm format (2 1/4 x 2 1/4") lens-shutter single lens reflex camera system, with interchangeable lens, film back, finder and focusing screen

#### LENS MOUNT:

Four-claw SQ mount

#### FILM ADVANCE:

Film winding crank; Optional speed grip for faster manual handling, optional motor drive for automatic handling

#### VIEWFINDER:

Interchangeable finder system; 94% of actual field of view

#### FOCUSING SCREEN:

Interchangeable type; standard screen has microprism/split image (1620)

#### MIRROR LOCKUP:

Possible with lever on body

#### MULTIPLE EXPOSURE:

Possible with lever on body

#### LENS DIAPHRAGM:

Fully automatic instant reopening diaphragm action, equal-distance aperture scale graduations; with depth-of-field preview

#### SHUTTER:

Electronically controlled SEIKO #0 between-the-lens shutter; shutter speeds 8 sec. to 1/500 sec.

#### FILM BACK:

Daylight loading; interchangeable type; exclusive film backs for 120 and 220 roll film in 6x6cm and 6x4.5cm, 35mm and Polaroid pack film

#### FILM:

120 (12 exposures) and 220 (24 exposures) roll film in 6 x 6cm, 120 (15 exposures) and 220 (30 exposures) roll film in 6 x 4.5cm, 35mm film and Polaroid pack film with exclusive film backs for each film type

#### FLASH

#### SYNCHRONIZATION:

X-setting only (all speeds to 1/500 sec.)

#### BATTERY CHECKING:

Red LED visible within screen area when battery check button is depressed, if there is sufficient power; also doubles as shutter closing signal

#### BATTERY:

Uses four LR44 alkaline, SR44 silver oxide or equivalent batteries

#### DIMENSIONS:

3.6 x 4.3 x 7" (92 x 109 x 179mm) W.H.L. (body with standard lens, film back and waist-level finder)

#### WEIGHT:

52.1 oz. (1460g) complete with waist-level finder, 120 film back and standard lens

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# BRONICA

## SQ - Ai 6 x 6 SYSTEM

MEDIUM FORMAT

18

*For photographers who prefer the 6x6cm format, the SQ-Ai will meet your creative desires. The high precision Zenzanon lenses are renowned for crisp images. The electronic shutter control is in the body, so speeds are consistent from lens to lens. The interchangeable film backs have automatic film speed indexing which also sets the optional TTL metering systems. Using the optional AE Finder allows the photographer to operate in aperture priority mode. The SQ-Ai stimulates the imagination and gives high-level image expressions.*



*Bronica SQ-Ai shown with 80mm f/2.8 lens, Ai 120 film back and waist-level finder*

### FEATURES

- **Multi-Format system for all types of photographic work**
- **Interchangeable lenses, for superior performance**
- **Accepts the unique Bronica Speed Grip**
- **Interchangeable finder system to match the shooting mode**
- **Interchangeable film backs: 120 and 220 roll film, 35mm and Polaroid**
- **Camera defaults to 1/500 sec. with exhausted battery**
- **Mirror lock-up mechanism**
- **Complete TTL auto flash operation with SCA 386 system compatible flash**

**SQ-Ai Camera Body (BQ1081)**  
With strap, battery, and microprism/split-image screen.  
**Item # BRSQAI.....1,099.00**

**SQ-Ai Camera Outfit**  
SQ-Ai body, 120 Ai back, Microprism/Split-Image screen, waist-level finder, and 80mm lens.  
**Item # BRSQAI120WL..2,899.00**

### SQ-Ai SPECIFICATIONS

#### TYPE:

6 x 6cm format (2 1/4 x 2 1/4") lens-shutter single lens reflex camera system, with interchangeable lens, film back, finder and focusing screen

#### LENS MOUNT:

Four-claw SQ mount

#### FILM ADVANCE:

Film winding crank; Optional speed grip for faster manual handling, optional motor drive for automatic handling

#### VIEWFINDER:

Interchangeable finder system; 94% of actual field of view

#### FOCUSING SCREEN:

Interchangeable type; standard screen has microprism/split image (1620)

#### MIRROR LOCKUP:

Possible with lever on body

#### MULTIPLE EXPOSURE:

Possible with lever on body

#### LENS DIAPHRAGM:

Fully automatic instant reopening diaphragm action, equal-distance aperture scale graduations; with depth-of-field preview

#### SHUTTER:

Electronically controlled SEIKO #0 between-the-lens shutter; shutter speeds 16 sec. to 1/500 sec. +B and T

#### FILM BACK:

Daylight loading; interchangeable type; exclusive film backs for 120 and 220 roll film in 6x6cm and 6x4.5cm, 35mm and Polaroid pack film

#### FILM:

120 (12 exposures) and 220 (24 exposures) roll film in 6 x 6cm, 120 (15 exposures) and 220 (30 exposures) roll film in 6 x 4.5cm, 35mm film and Polaroid pack film with exclusive film backs for each film type

#### FLASH

#### SYNCHRONIZATION:

X-setting (all speeds to 1/500 sec.)

#### FLASH:

TTL OTF auto flash operation with SCA 386 flash adapter; PC socket; dedicated grip socket on body

#### BATTERY CHECKING:

Red LED visible within screen area when battery check button is depressed, if there is sufficient power; also doubles as shutter closing signal

#### BATTERY:

Uses four LR44 alkaline, SR44 silver oxide or equivalent batteries; also powers AE, ME and MF finders when attached

#### DIMENSIONS:

3.6 x 4.3 x 5" (92 x 109 x 129mm) W.H.L. (body with standard lens, film back and waist-level finder)

#### WEIGHT:

53.4 oz. (1515g) complete with waist-level finder, 120 film back and standard lens

*Subject to change without notice*

**Most Orders Shipped Within 24 Hours**



## ZENZANON PS LENSES

Obtains images with both delicate color reproduction properties and superior power of depiction. Gold plated six terminal connector for electronic control of between-lens leaf shutter. Fully automatic instant reopening lens diaphragm action; equal-distant aperture scale markings; depth-of-field previewing. Focusing scale in feet and meters; 1/2 stop settings; multi-coating for reduced flare and excellent color. Wide-angle, standard and telephoto PS lenses come with a lens case.

### Standard

80mm f/2.8 (BQ1264)  
**Item # BR8028PS .....1,099.00**

### Wide Angle

35mm f/3.5 Fish-Eye (BQ1260)  
Complete with L-1B Sky,  
LA-40, LB-40 and ND filters.  
**Item # BR3535PS .....3,094.00**

40mm f/4 (BQ1261)  
**Item # BR404PS .....1,799.00**

50mm f/3.5 (BQ1262)  
**Item # BR5035PS .....1,570.00**

65mm f/4 (BQ1263)  
**Item # BR654PS .....1,435.00**

### Telephoto

110mm f/4 Macro (BQ1265)  
**Item # BR1104MPS....1,570.00**

135mm f/4 (BQ1266)  
**Item # BR1354PS .....1,450.00**

150mm f/4 (BQ1267)  
**Item # BR1504PS .....1,570.00**

180mm f/4.5 (BQ1268)  
**Item # BR18045PS .....1,995.00**

200mm f/4.5 (BQ1273)  
**Item # BR20045PS .....1,675.00**

250mm f/5.6 (BQ1274)  
**Item # BR25056PS .....1,790.00**

500mm f/8 (BQ1269)  
With aluminum case.  
**Item # BR5008PS .....11,423.50**

500mm f/8 S (BQ1208)  
With aluminum case.  
**Item # BR5008S.....3078.95**

### Tele-Converter

For 80-500mm lenses.

1.4x Tele-Converter (BQ1275)  
**Item # BR1.4XPS.....865.00**

2x Tele-Converter (BQ1276)  
**Item # BR2XPS.....845.00**

## SPECIFICATIONS OF ZENZANON PS LENSES

Lens	35mm	40mm	50mm	65mm	80mm	110mm	135mm	150mm	180mm	200mm	250mm	500mm	500mm S	1.4x	2x
Aperture Range f.	3.5-22	4-22	3.5-22	4-22	2.8-22	4-32	4-32	4-32	4.5-3.2	4.5-3.2	5.6-45	8-64	8-45	—	—
Angle of View	108°	87°	76°	62.3°	50.7°	40°	32.8°	29.5°	24.7°	22.8°	18.2°	9.2°	9°	1/4 of lens used	1/2 of lens used
Lens Construction	8G, 11E	8G, 11E	8G, 10E	7G, 9E	5G, 6E	4G, 6E	4G, 6E	4G, 6E	8G, 9E	5G, 7E	5G, 7E	10G, 11E	6G, 7E	5G, 5E	6G, 7E
Minimum Focusing	11" (.28m)	15.7" (.4m)	19.7" (.5m)	23.6" (.6m)	31.4" (.8m)	25.9" (.66m)	39.3" (1.0m)	59" (1.5m)	39.3" (1.0m)	98.2" (2.5m)	117.9" (3m)	314.4" (8m)	334" (8.5m)	Same as prime lens	Same as prime lens
Weight	33.9 oz. (960g)	22.9 oz. (650g)	20.8 oz. (590g)	23.5 oz. (665g)	17.2 oz. (490g)	24.1 oz. (685g)	26.6 oz. (755g)	26.4 oz. (750g)	30.5 oz. (865g)	30.6 oz. (870g)	35.6 oz. (1010g)	130.7 oz. (3760g)	66.8 oz. (1890g)	13 oz. (370g)	21.2 oz. (600g)
Length	3.6" (91mm)	2.7" (67.5mm)	2.4" (61.7mm)	2.7" (69.6mm)	2" (52mm)	3.1" (79mm)	3.1" (79mm)	2.9" (74mm)	3.8" (96mm)	4.2" (107mm)	5.9" (150.2mm)	12.1" (307.5mm)	(255mm)	1.1" (28mm)	2.5" (64.4mm)
Equivalent Focal Length in 35mm Format	20mm	23mm	28mm	35mm	45mm	60mm	76mm	85mm	100mm	110mm	135mm	270mm	255mm	1.4x lens used	Double lens used
Filter Size	32.5mm	95mm	77mm	67mm	67mm	67mm	67mm	67mm	67mm	67mm	67mm	112mm	95mm	—	—

Subject to change without notice



## FILM BACKS

The SQ-Ai features a built-in dark slide safety system for protection against accidental exposure. The film back is not detachable without first inserting the dark slide and the dark slide is not detachable from a film back once it has been taken off the main camera body. SQ-Ai film backs have ASA film speed dial coupling them to the finders with built in exposure meter.

Ai-120 Film Back with Insert (BQ1105)  
6 x 6cm. 12 exposures.  
**Item # BRFB66120S .....539.00**

Ai-220 Film Back with Insert (BQ1115)  
6 x 6cm. 24 exposures.  
**Item # BRFB66220S .....539.00**

Ai-J 120 Film Back  
with Insert (BQ1155)  
6 x 4.5cm. 15 exposures.  
**Item # BRFB645120S.....539.50**

Ai-J 220 Film Back  
with Insert (BQ1165)  
6 x 4.5cm. 30 exposures.  
**Item # BRFB645220S.....539.00**

SQ-i  
135N  
Film  
Back  
(1175)



SQ-i 135N  
35mm Film Back (BQ1175)  
24 x 36mm. 36/24/20/12  
exposures. (Requires 1625 or  
1626 screen.)  
**Item # BRFB35S .....589.00**

SQ-i 135W 35mm Film Back (BQ1185)  
24 x 54mm. 23/15/12/7 exp.  
(Requires 1625 or 1626 screen.)  
**Item # BRFB35WSI .....589.00**

120 Film Insert (BQ1145)  
For SQ-Ai 120/220 film backs.  
**Item # BRI66120SQ.....329.00**

220 Film Insert (BQ1146)  
For SQ-Ai 120/220 film backs.  
**Item # BRI66220SQ.....329.00**

120 Film Insert (BQ1166)  
For Ai-J 120/220 film back.  
**Item # BRI645120S.....329.00**

220 Film Insert (BQ1167)  
For Ai-J 120/220 film back.  
**Item # BRI645220S.....329.00**

Film Back Shell (BQ1102)  
For 120/220 6 x 6cm film backs.  
**Item # BRFB66S .....256.50**

Film Back Shell J (BQ1102J)  
For 120/220 6x4.5cm film backs.  
**Item # BRFB645S .....256.50**

Polaroid Film Back (BQ1195)  
Provides immediate 2 1/4 x 2 1/4"  
(6 x 6cm) information on  
exposure, lighting and compo-  
sition. Uses 3 1/4 x 4 1/4" pack film.  
**Item # BRFBPS.....450.00**

Dark Slide (BQ1900)  
For roll film backs. (Replacement.)  
**Item # BRDSS .....17.95**

Dark Slide (BQ1901)  
For Polaroid film back.  
(Replacement.)  
**Item # BRDSPBS .....17.95**

Wide Slide Mounts  
24 x 54mm (BC2960)  
Box of 50.  
**Item # BRSMA .....34.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0





### VIEWFINDERS

**Waist-Level Finder S** (BQ1301)  
Distinct images produced with high-powered magnifier and effective screening of ambient light with flip up magnifier for critical focusing.

**Item # BRFWLS.....162.50**

**Prism Finder S** (BQ1306)  
Total reflection 90° eye-level prism finder shows large, bright laterally-correct upright image. Compact, light-weight finder has high eyepoint, allowing eyeglass users to see field from edge to edge. Use with speed grip for equalling 35mm handling action.

**Item # BRFPS.....640.00**

**45D Prism Finder S** (BQ1309)  
Shows a laterally-correct upright image at a 45° angle-of-view which permits comfortable viewing for those with a taller stature. Incorporates a built-in variable diopter eyepiece from +0.5 to -2.5. Optional interchangeable diopters further extend the corrective range.

**Item # BRFP45DS.....675.00**

**ME Prism Finder S** (BQ1308)  
Prism finder for TTL manual exposure controls, coupled to the shutter speed dial on finder and aperture ring of lens, with green LED display for proper exposure and red (+, -) LED display for over or underexposure warning.

**Item # BRFMES.....875.00**

**AE Prism Finder SQ-i** (BQ1310)

Specially-developed prism finder shows bright laterally-correct erect image and provides aperture-priority AE operation through the lens, with switching to manual exposure control. Spot or average meter readings. LCD-illuminated shutter speed shown above focusing screen.

**Item # BRFAESQ.....1209.00**

**MF Finder S** (BQ1302)  
Waist-level finder for TTL match-LED exposure control (same metering system as the ME prism finder) and an adjustable magnifier with -3 to +2 diopter range. Use for low-angle shooting, close-ups, copying work, etc., requiring careful composition. Complete with large eyecup.

**Item # BRFMFS.....729.95**

**AE Prism Finder S** (BQ1307)  
For SQ-A and SQ-Ai. Shows images bright and laterally corrected. Converts SQ-A and SQ-Ai to a diaphragm-priority automatic exposure (average reading) camera. LED-shutter speed indicates correct exposure. Exposure compensation possible with compensation dial on film back.

**Item # BRFAES.....989.00**



### FOCUSING SCREEN



Microprism/  
Split-Image  
(1620)



Matte; Central  
Matte/Spot  
(1621)



Grid-Lines  
(1622)



Microprism  
(1623)



Split-Image  
(1624)



Microprism/  
Split-Image  
(1625)



Matte (35mm)  
(1626)

**Microprism/Split-Image** (BQ1620)  
Standard; split-image spot with microprism ring. For general use. (Replacement.)

**Item # BRFSMPSIS.....59.00**

**Matte; Central Matte Spot** (BQ1621)  
**Item # BRFSMS.....59.00**

**Grid-Lines** (BQ1622)  
Central matte spot and overall grid lines. For composition work.

**Item # BRFSGS.....59.00**

**Microprism** (BQ1623)  
Microprism spot for subjects without strong lines. Full area matte.

**Item # BRFSMPS.....59.00**

**Split-Image** (BQ1624)  
Central split-image spot suitable for subjects with vertical lines.

**Item # BRFSSIS.....59.00**

**Microprism/Split Image** (BQ1625)  
Indicates 35mm and 6 x 6cm formats.

**Item # BRFSMPSIIS.....59.00**

**Matte** (BQ1626)  
Indicates 35mm and 6 x 6cm formats.

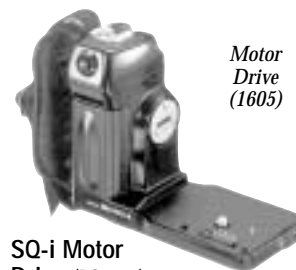
**Item # BRFSMIS.....59.00**



### BODY ACCESSORIES

**Speed Grip S** (BQ1602)  
Provides fast handling action. Has film winding lever for shutter cocking and film winding, as well as shutter release and hot shoe.

**Item # BRGSS.....275.00**



Motor  
Drive  
(1605)

**SQ-i Motor Drive** (BQ1605)  
Attaches and detaches to the camera quickly. Choice of single exposure or continuous (≥1FPS) exposure modes. Remote control operation is also possible. For SQ-Ai only.

**Item # BRMDSI.....699.00**

**Motor Drive Battery Holder** (BQ1705)  
(Replacement.)

**Item # BRBHMSI.....79.95**

**Release Connector Cap** (BQ1707)  
For Motor Drive.

**Item # BRRCMDS.....8.95**

**Motor Drive Hand Strap** (BQ1706)  
(Replacement.)

**Item # BRSHMSI.....35.95**

**Mechanical 18" Cable Release** (BC2655)  
**Item # BRCRE.....44.95**

**20" Electrical Shutter Release** (BC3655)  
For ETRS & SQ-i motor drives, SQ-Am, SQ-Ai & GS-1 bodies.

**Item # BRCRES.....0.00**

**Motor Drive Shutter Release Cable** (BQ1655)

**Item # BRCRMSI.....89.50**

**Remote (Cold Weather) Battery Pack** (BQ1654)  
Keeps battery warm next to the body. Complete with cord connection to camera. Uses 4AA batteries.

**Item # BRBPRSI.....224.95**

**Remote (Cold Weather) Battery Pack** (B1630)  
For constant power in freezing weather. With cord connection to the camera. Uses 6V battery. For SQ-A, ETRS, or GS-1. (Limited availability.)

**Item # BRBPR6VS.....79.95**



## BODY ACCESSORIES, *continued*

**External Battery Pack** (BQ1826)  
For SQ-Am (holds 6 "C" cells).  
**Item # BRBPES .....86.50**

**Tripod Adapter** (BC2651)  
For use on large tripod heads,  
when using the Polaroid film  
back. Raises the large film  
back above the tripod head face.  
**Item # BRTAPBS .....184.50**

**Winding Crank** (BQ1701)  
For SQ-Ai. (Replacement.)  
**Item # BRWCSI .....61.95**

**Winding Crank** (BQ1700)  
For SQ, SQ-A, and SQ-B.  
(Replacement.)  
**Item # BRWCS .....35.95**

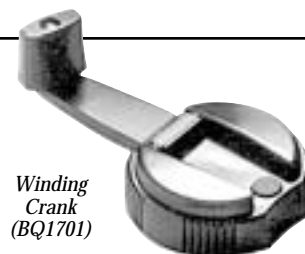
**Camera Body Battery Holder** (BQ1702)  
(Replacement.)  
**Item # BRBHSI .....26.50**

**Remote Battery Case** (BC1656)  
(Replacement.)  
**Item # BRCRBPE .....86.50**

**Dummy Battery Cord** (BQ1657)  
(Replacement.)  
**Item # BRBCSI .....127.50**

**Body Cap** (BQ1908)  
(Replacement.)  
**Item # BRBCS .....14.95**

**Body Top Cover S** (BQ1909)  
(Replacement.)  
**Item # BRBCTS .....14.95**



Winding  
Crank  
(BQ1701)

**Hot Shoe Cover** (BC2924)  
**Item # BRHSCSGE .....12.95**

**Body Base Cover S** (BQ1703)  
**Item # BRBCBSI .....14.50**

**Body Base Cover** (BQ1911)  
(Replacement.)  
**Item # BRBCBS .....14.50**

**Body Rear Cover** (BQ1915)  
(Replacement.)  
**Item # BRBCRS .....15.95**

**Bottom Contact Cover** (BQ1957)  
(Replacement.)  
**Item # BRBCCS .....8.95**

**Synchro Contact Cover** (BC2961)  
For ETRS, ETRSi, SQ-A,  
SQ-Am and SQ-Ai.  
(Replacement.)  
**Item # BRSCCE .....12.95**

**SQ-Ai Battery** (LR44)  
Requires four 6V LR44 alkaline  
batteries. (Replacement.)  
**Item # GB76A .....1.95 ea**

**Neck Strap** (BC3820)  
(Replacement.)  
**Item # BRSNE .....49.50**



## LENS ACCESSORIES

Bronica offers a full range of lens accessories to allow maximum creative use in all types of photographic situations.

### Auto Extension Tubes

Provides different magnifications for PS lenses (40 to 250mm),  
without loss of automatic diaphragm action in close-up shooting.

**Automatic  
Extension Tube S-18** (BQ1510)  
Extends lens 18mm from body.  
**Item # BRETAS18 .....475.00**

**Automatic  
Extension Tube S-36** (BQ1511)  
Extends lens 36mm from body.  
**Item # BRETAS36 .....475.00**



### S-18 AUTO EXTENSION TUBES

Lenses	Magnifi- cation	Area Covered (cm)	Focusing Distance (cm)	Exposure Factor
40mm	0.43	12.8x12.8	25.1	1.44
	0.60	9.3x9.3	23.2	1.62
50mm	0.36	15.6x15.6	30.0	1.42
	0.50	11.1x11.1	26.6	1.62
65mm	0.28	20.1x20.1	41.1	1.35
	0.43	13.0x13.0	33.8	1.57
80mm	0.22	25.6x25.6	56.0	1.41
	0.35	15.9x15.9	42.7	1.70
110mm	0.17	33.4x33.4	86.9	1.34
	0.42	13.3x13.3	50.7	1.95
150mm	0.12	46.3x46.3	156.7	1.36
	0.25	22.5x22.5	94.4	1.79
200mm	0.09	60.2x60.2	256.0	1.38
	0.19	29.7x29.7	150.7	1.83
250mm	0.07	75.7x75.7	390.5	1.31
	0.17	31.8x31.8	199.8	1.80

### S-36 AUTO EXTENSION TUBES

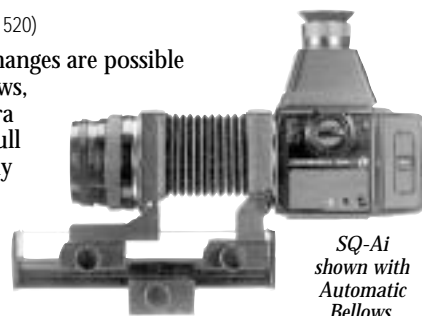
Lenses	Magnifi- cation	Area Covered (cm)	Focusing Distance (cm)	Exposure Factor
40mm	0.87	6.4x6.4	22.1	1.95
	1.03	5.4x5.4	22.0	2.17
50mm	0.71	7.8x7.8	24.7	1.92
	0.86	6.5x6.5	24.2	2.15
65mm	0.55	10.0x10.0	31.2	1.76
	0.70	7.9x7.9	29.7	2.00
80mm	0.43	12.8x12.8	38.7	1.90
	0.57	9.8x9.8	35.3	2.23
110mm	0.33	16.7x16.7	56.3	1.73
	0.58	9.5x9.5	45.1	2.41
150mm	0.24	23.2x23.2	96.0	1.77
	0.37	15.2x15.2	76.3	2.26
200mm	0.18	30.1x30.1	152.1	1.82
	0.28	19.9x19.9	118.1	2.33
250mm	0.15	37.8x37.8	225.5	1.66
	0.25	22.4x22.4	160.0	2.21

### Automatic Bellows

**Automatic Bellows S** (BQ1520)

Variable magnification changes are possible  
by simply adjusting bellows,  
with no changes in camera  
operation. There is also full  
coupling of the main body  
and lens, with a built-in  
coupling mechanism.  
And, with a finder and  
built-in meter, exposure  
compensation is no  
problem.

**Item # BRBAS .....1,650.00**



SQ-Ai  
shown with  
Automatic  
Bellows,  
MF finder  
and lens

### AUTOMATIC BELLOWS ATTACHMENT CLOSE-UP DATA

Lens	Bellows Extension	Magnification	Area Covered (cm)
75mm	Min.	0.71X	5.99 x 7.76
	Max.	2.18X	1.95 x 2.52
40mm	Min.	1.32X	3.22 x 4.17
	Max.	3.90X	1.09 x 1.41
50mm	Min.	1.08X	3.92 x 5.08
	Max.	3.20X	1.33 x 1.72
100mm	Min.	0.53X	8.06 x 10.4
	Max.	1.64X	2.58 x 3.35
150mm	Min.	0.37X	11.4 x 14.7
	Max.	1.19X	3.59 x 4.65
200mm	Min.	0.28X	15.0 x 19.5
	Max.	0.92X	4.57 x 5.93
250mm	Min.	0.23X	18.9 x 24.4
	Max.	0.74X	5.74 x 7.44



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# BRONICA

S Q - A i

MEDIUM FORMAT

22



## LENS ACCESSORIES, continued

### Professional Lens Hood



Professional  
Lens Hood  
(BQ1410)

Adjustable extensions, up to 46mm, for cutting distracting glare and reflections. For use with 50-250mm lenses. Accepts 67mm and most 75mm (3") square gelatin, glass, and plastic filters as well as 120mm (4 1/8") wide masks/mattes.

**Professional Lens Hood** (BQ1410)  
Includes 67mm adapter ring and 200-250 mask.  
**Item # BRPLHS.....399.00**

**200-250 Mask** (BQ1710)  
For Professional Lens Hood.  
(Replacement.)  
**Item # BRMPLHS.....49.95**

**Adapter Ring 67mm** (BQ1711)  
For Professional Lens Hood.  
(Replacement.)  
**Item # BRAR67PLHS.....36.95**

**Adapter Ring 77mm** (BC1713)  
For Professional Lens Hood.  
(Replacement.)  
**Item # BRAR77PLHS.....36.95**

### Focus Lever



Rapid  
Focus Lever  
(BQ1601)

**Rapid Focus Lever** (BQ1601)  
Provides a speedy, smooth focusing action when placed over the focusing ring of a lens. Can be used with lenses from 65 - 250mm.

**Item # BRFLS .....49.95**

### Lens Hoods

**Lens Hood** (BQ1407)  
For 50mm PS lens.  
**Item # BRLH50PS.....99.95**

**Lens Hood** (BQ1402)  
For 65 and 80mm S/PS lenses.  
**Item # BRLH65PS.....46.50**

**Lens Hood** (BQ1403)  
For 110 and 150mm PS lenses.  
**Item # BRLH110PS.....46.50**

**Lens Hood** (BQ1404)  
For 200 and 250mm lenses.  
**Item # BRLH200PS.....46.50**

### Misc. Lens Accessories

**Lens Cap** (BQ1905)  
67mm. (Replacement.)  
**Item # BRLC67S.....17.95**

**Lens Cap** (BQ1916)  
77mm. (Replacement.)  
**Item # BRLC77S.....17.95**

**Lens Cap** (BC3833)  
122mm. For all 500mm lenses.  
(Replacement.)  
**Item # BRLC500PE.....38.95**

**Lens Cap** (BC2904)  
500mm. (Replacement.)  
**Item # BRLC500EQ .....36.95**

**Rear Lens Cap** (BQ1907)  
(Replacement.)  
**Item # BRLCRS.....17.95**



## FLASH ACCESSORIES

**SCA 386 Flash Adapter** (BC6386)  
For TTL/OTF dedicated flash when using Metz flash.  
**Item # BRSCA386.....210.00**

**Flash Bracket** (BC2604)  
For use with SCA 386 flash adapter and Metz flash.  
**Item # BRBE .....125.00**

**SCA Connector Cover** (BC2903)  
For ETRSi, SQ-Ai.  
(Replacement.)  
**Item # BRSCACCEL.....12.95**



## VIEWFINDER ACCESSORIES

### Corrective Viewfinder Eyepieces

Makes viewing more comfortable for eyeglass wearers. The following chart lets you compare your eyeglass prescription (B) with an optical corrective eye-piece (A).

#### FOR THE WAIST-LEVEL FINDER

Item #	A Diopter	B Eyeglass Prescription	Price
BRDP1.5WLFS (BQ1610)	+1.5	+3.0	54.95
BRDP.5WLFS (BQ1611)	+0.5	+2.0	54.95
BRDM.5WLFS (BQ1612)	-0.5	+1.0	54.95
BRDM1.5WLFS (BQ1613)	-1.5 std.	0	54.95
BRDM2.5WLFS (BQ1614)	-2.5	-1.0	54.95
BRDM3.5WLFS (BQ1615)	-3.5	-2.0	54.95
BRDM4.5WLFS (BQ1616)	-4.5	-3.0	54.95

#### FOR AE PRISM FINDER SQ-i

Item #	A Diopter	B Eyeglass Prescription	Price
BRDP.5M2.5AQ (BQ1740)	Standard +5.0 to -2.5 variable		54.95
BRDM2M.5AEFS (BQ1741)	-2.0 to -0.5 variable		54.95
BRDP30AEFS (BQ1742)	+3.0 to 0 variable		54.95

#### FOR THE PRISM, AE & ME FINDERS

Item #	A Diopter	B Eyeglass Prescription	Price
BRDP2.5PFS (BQ1639)	+2.5	+4.0	54.95
BRDP1.5PFS (BQ1640)	+1.5	+3.0	54.95
BRDP.5PFS (BQ1641)	+0.5	+2.0	54.95
BRDM.5PFS (BQ1642)	-0.5	+1.0	54.95
BRDM1.5PFS (BQ1643)	-1.5 std.	0	54.95
BRDM2.5PFS (BQ1644)	-2.5	-1.0	54.95
BRDM3.5PFS (BQ1645)	-3.5	-2.0	54.95
BRDM4.5PFS (BQ1646)	-4.5	-3.0	54.95

#### FOR 45D S PRISM FINDER

Item #	A Diopter	B Eyeglass Prescription	Price
BRDP.5M2.5PF (BQ1730)	+0.5 std.	-2.5	54.95
BRDM2M5PFS (BQ1731)	-2.0	-5.0	54.95
BRDP30PFS (BQ1732)	+3.0	0.0	54.95

### Misc. Viewfinder Accessories

**Rubber Eyecup** (BQ1712)  
For MF finder. (Replacement.)  
**Item # BRECMFFS.....17.50**

**Rubber Eyecup** (BQ1714)  
For AE, ME, and prism finders.  
(Replacement.)  
**Item # BRECPFS.....14.95**

**Small Rubber Eyecup** (BC2722)  
For AE Prism Finder SQ-i.  
**Item # BRECAEF3S .....17.50**

**Large Rubber Eyecup** (BC2723)  
For AE Prism Finder SQ-i.  
**Item # BRECAEF3L .....17.50**

**Small Rubber Eyecup** (BQ1715)  
For 45D S finder.  
(Replacement.)  
**Item # BRECA45DSS.....12.50**

**Large Rubber Eyecup** (BQ1716)  
For 45D S finder.  
(Replacement.)  
**Item # BRECA45DLS .....14.95**

**Finder Bottom Cover** (BQ1910)  
(Replacement.)  
**Item # BRFCBS .....14.50**



### CASES

**Soft Case** (BQ1801)  
For SQ series cameras.  
**Item # BRCSQ .....89.95**

**Soft Case** (BQ1810)  
For roll film backs.  
**Item # BRCFBSQ .....39.95**

**Hard Case** (BC3414)  
For PS-40mm lenses.  
**Item # BRLC40S.....54.95**

**Hard Case** (BQ1430)  
For PS-80mm and S-80mm lenses.  
**Item # BRLC80PS.....49.95**

**Hard Case** (BQ1431)  
For 65, 110, 135 & 150mm lenses.  
**Item # BRLC65S.....49.95**

**Hard Case** (BQ1432)  
For PS-180 and 200mm lenses.  
**Item # BRLC180S.....89.50**

**Hard Case** (BQ1433)  
For PS-250mm lens.  
**Item # BRLC250S.....49.95**

**Hard Case** (BC2840)  
For 500mm (S/E) lens.  
**Item # BRLC500E.....89.50**

We Exhibit at National and Regional Shows/Conventions



# BRONICA

## GS - 1 6 X 7 S Y S T E M

*The GS-1 6x7cm (2 1/4 x 2 3/4") camera offers high precision and creative versatility. At only four pounds with its standard lens, it is far lighter and more compact than its 6x7cm SLR rivals. It can be hand-held on location as well as in the studio. And with Bronica's exclusive backs, it can also shoot 6x6cm, 6x4.5cm and Polaroid. With the optional AE Prism or AE Rotary Prism finder, aperture priority auto-exposure with TTL-metering is possible. The GS-1 also has OTF TTL flash metering when used with a dedicated flash. GS-1 - a lot of camera for the money.*

*Bronica GS-1 shown with 100mm f/3.5 lens, AE Prism Finder, 120 film back and Speed Grip*



MEDIUM FORMAT

23

### FEATURES

- **Extended internal functions for professional needs**
- **Smallest and lightest 6x7" SLR camera**
- **Interchangeable finder system**
- **Mirror Lock up mechanism**
- **Large studio camera with the portability of a 35mm**
- **Multi-format system camera - 4 types for different formats**
- **Unique electronically controlled Seiko lens shutter**
- **TTL flash capability with speed grip**

Bronica GS-1 Body (BG3010)  
With strap, battery and matte screen.

Item # BRGS1.....1,535.00

Bronica GS-1 Outfit  
GS-1 body, 120 back, matte screen, waist-level finder, and 100mm lens.  
Item # BRGS1K.....3,342.00

### GS-1 SPECIFICATIONS

#### TYPE:

6 x 7cm format (2 1/4 x 2 3/4"), lens-shutter single lens reflex camera, with interchangeable lens, film back, finder and focusing screen

#### LENS MOUNT:

Four-claw GS mount

#### FILM ADVANCE:

Film winding crank; optional speed grip for faster manual handling

#### VIEWFINDER:

Interchangeable finder system; 94% of actual field of view

#### FOCUSING SCREEN:

Interchangeable type; standard is full-area matte screen

#### MIRROR LOCK-UP:

Possible with lever on body

#### MULTIPLE EXPOSURE:

Possible with lever on body

#### LENS DIAPHRAGM:

Fully automatic, instant reopening diaphragm action; equal-distance aperture scale graduations; depth-of-field preview

#### SHUTTER:

Electronically controlled Seiko #0 between-the-lens leaf shutter, shutter speeds 16 sec. to 1/500 sec., +B and T

#### FILM BACK:

Daylight loading; interchangeable type; exclusive film backs for 120 and 220 roll film in 6x7cm, 6x6cm, and 6x4.5, and Polaroid pack film

#### FILM:

120 (10 exposures) and 220 (20 exposures) roll film in 6 x 7cm, 120 (12 exposures) and 220 (24 exposures) roll film in 6 x 6cm, 120 (15 exposures) and 220 (30 exposures) roll film in 6 x 4.5cm, and Polaroid pack film with exclusive film backs for each film type

#### FLASH

#### SYNCHRONIZATION:

X-setting (all speeds to 1/500 sec.)

#### FLASH:

TTL auto flash control from film plane with GS-1 speed light and speed grip

#### BATTERY CHECK:

Red LED Shutter display lights up or flashes when shutter button is partially depressed.

#### BATTERY:

Uses PX28 silver-oxide, PX28L lithium, 4LR44 alkaline or equivalent 6V battery; also powers AE Prism and AE Rotary Prism finders, when attached.

#### DIMENSIONS:

4.2 x 4.6 x 7.7" (106 x 118 x 196mm) W.H.L. (body with standard lens, film back and waist-level finder)

#### WEIGHT:

64.6 oz. (1830g) with standard lens, film back and waist-level finder

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# BRONICA

G S - 1

Bronica 150mm f/4, 50mm f/4.5  
and 250mm f/5.6 PG lenses



## ZENZANON PG LENSES

All Zenzanon PG lenses are multi-coated. They incorporate the compact Seiko #0 lens shutter system, making the lens smaller and optical performance upgraded. Not only was aberration eliminated, but ambient light quality was increased, and contrast, sharpness and color balance were improved, enabling this group of lenses to express the finest details. All PG lenses have 1/2 stop settings.

### Wide Angle

50mm f/4.5 (BG3201)  
With case.  
Item # **BR5045G** .....**1,699.00**

65mm f/4 (BG3202)  
With case.  
Item # **BR654G** .....**1,515.00**

80mm f/3.5 (BG3209)  
With case.  
Item # **BR8035G** .....**1,347.95**

### Standard

100mm f/3.5 (BG3203)  
With case.  
Item # **BR10035G** .....**1,149.00**

### Macro and Standard

110mm f/4 (BG3210)  
With case.  
Item # **BR1104G** .....**1,699.00**

### Telephoto

150mm f/4 (BG3204)  
With case.  
Item # **BR1504G** .....**1,515.00**  
  
200mm f/4.5 (BG3205)  
With case.  
Item # **BR20045G** .....**1,595.00**

250mm f/5.6 (BG3206)  
With case.  
Item # **BR25056G** .....**1,699.00**  
  
500mm f/8 (BG3208)  
With aluminum case.  
Item # **BR5008G** .....**11,439.95**

### Tele-Converter

1.4x Tele-Converter (BG3221)  
For 100-500mm lenses.  
With case.  
Item # **BR1.4XG** .....**899.95**

2x Tele-Converter (BG3220)  
For 100-500mm lenses.  
With case.  
Item # **BR2XG** .....**935.00**

## SPECIFICATIONS OF ZENZANON PG LENSES

Lens	50mm	65mm	80mm	100mm Macro	110mm	150mm	200mm	250mm	500mm	1.4x	2x
Aperture Range f.	4.5-22	4-22	3.5-22	3.5-22	4-32	4-22	4.5-32	5.6-32	8-64	—	—
Angle of View	83°	68.5°	58.6°	48°	44°	33°	25.5°	20.5°	10°	1/2 of lens used	1/2 of lens used
Lens Construction	8G, 11E	7G, 9E	6G, 8E	4G, 6E	4G, 6E	5G, 5E	5G, 6E	5G, 6E	10G, 11E	5G, 5E	6G, 7E
Minimum Focusing	19.7" (.5m)	23.6" (.6m)	1.8' (.55m)	29.5" (.75m)	25.9" (.66m)	59" (1.5m)	78.6" (2m)	117.9" (3m)	314.4" (8m)	—	—
Weight	27.9 oz. (790g)	25.2 oz. (715g)	27 oz. (755g)	22.2 oz. (630g)	25.6 oz. (725g)	22.9 oz. (650g)	34.2 oz. (970g)	42.3 oz. (1200g)	133 oz. (3760g)	14.8 oz. (420g)	24 oz. (680g)
Length	2.9" (74mm)	2.8" (71mm)	2.8" (71mm)	2.66" (67.5mm)	3.09" (78.5mm)	2.4" (62mm)	3.84" (97.5mm)	5.6" (142mm)	12" (307mm)	1.1" (29mm)	2.5" (64mm)
Equivalent Focal Length in 35mm Format	25mm	33mm	40mm	50mm	55mm	75mm	100mm	125mm	250mm	1.4x lens used	Double lens used
Filter Size	95mm	72mm	72mm	72mm	72mm	72mm	82mm	82mm	122mm	—	—

Subject to change without notice

## FILM BACKS

Bronica's interchangeable film back, in which the film back can be freely attached or removed, proves particularly useful for 6 x 7 format photography. The interchangeable film back can be changed without worrying about winding, and the "intelligent" connection prevents problems while winding. A double safety lock mechanism is also built in to keep the dark slide in when the film back is removed from the camera body.



120 Film Back (3100)

120 Film Back with Insert (BG3100)  
6 x 7 cm. 10 exposures.  
Item # **BRFB67120G** .....**499.00**

220 Film Back with Insert (BG3105)  
6 x 7cm. 20 exposures.  
Item # **BRFB67220G** .....**499.00**

120 Film Back with Insert (BG3110)  
6 x 6cm. 12 exposures.  
Item # **BRFB66120G** .....**499.00**

220 Film Back with Insert (BG3115)  
6 x 6cm. 24 exposures.  
Item # **BRFB66220G** .....**499.00**

120 Film Back with Insert (BG3120)  
6 x 4.5cm. 15 exposures.  
Item # **BRFB645120G** .....**499.00**

220 Film Back with Insert (BG3125)  
6 x 4.5cm. 30 exposures.  
Item # **BRFB645220G** .....**499.00**

Film Back Shell (BG3177)  
For 6 x 7cm inserts.  
Item # **BRFBS67G** .....**246.95**

Film Back Shell (BG3178)  
For 6 x 6cm inserts.  
Item # **BRFBS66G** .....**246.95**

Film Back Shell (BG3179)  
For 6 x 4.5cm inserts  
Item # **BRFBS645G** .....**246.95**

Members of PPA, ASMP, PSA, NPPA and NANPA



## FILM BACKS, *continued*

**120 Film Insert** (BG3150)  
For 120/220 6 x 7cm film backs.  
**Item # BRI67120G.....299.00**

**220 Film Insert** (BG3155)  
For 120/220 6 x 7cm film backs.  
**Item # BRI67220G.....299.00**

**120 Film Insert** (BG3160)  
For 120/220 6 x 6cm film backs.  
**Item # BRI66120G.....299.00**

**220 Film Insert** (BG3165)  
For 120/220 6 x 6cm film backs.  
**Item # BRI66220G.....299.00**

**120 Film Insert** (BG3170)  
For 120/220 6x4.5cm film backs.  
**Item # BRI645120G.....299.00**

**220 Film Insert** (BG3175)  
For 120/220 6x4.5cm film backs.  
**Item # BRI645220G.....299.00**

**Polaroid Film Back** (BG3195)  
Developed with the Polaroid Corporation. Uses 3 1/4 x 4 1/4" pack film.  
**Item # BRFBPG .....515.00**

**Dark Slide** (BG3810)  
For roll film backs. (Replacement.)  
**Item # BRDSG.....17.95**

**Dark Slide** (BG3811)  
For Polaroid film back. (Replacement.)  
**Item # BRDSPBG.....17.95**



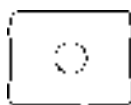
## FOCUSING SCREEN

Focusing is one of the most critical aspects of picture taking. Bronica's focusing screens have a traditional bright image which enables the photographer to snap a subject into focus swiftly and with ease.

**Matte** (BG3640)  
Replacement.  
**Item # BRFSMG.....72.50**

**Matte** (BG3644)  
Indicates 6x6cm and 6x4.5cm formats.  
**Item # BRFSMIG .....72.50**

**Microprism/Split-Image** (BG3641)  
Center microprism collar with split-image.  
**Item # BRFSMPSIG.....72.50**



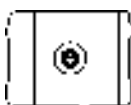
Matte (3640)



Matte (3644)



Microprism/Split Image (3641)



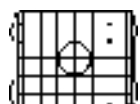
Microprism/Split Image (3645)



Split Image (3643)



Microprism (3642)



Grid-Lines (3646)

**Microprism/Split-Image** (BG3645)  
Indicates 6x6cm and 6x4.5cm formats.  
**Item # BRFSMPSIG .....72.50**

**Split-Image** (BG3643)  
Especially useful for portraits.  
**Item # BRFSSIG.....72.50**

**Microprism** (BG3642)  
May be used for all lenses, especially useful for long focal-length lenses.  
**Item # BRFSMPG .....72.50**

**Grid-Lines** (BG3646)  
Central spot and overall grid-lines; useful for architectural work.  
**Item # BRFSGG .....72.50**



## BODY ACCESSORIES

GS-1 with Speed Grip (BG3601)



**Speed Grip G** (BG3601)  
Provides rapid film winding and shutter release. Combined with any prism finder, it facilitates ease of use in horizontal or vertical photography.  
**Item # BRGSG.....319.50**

**20" Electronic Cable Release** (BG3655)  
**Item # BRCREG.....49.95**

**Remote (Cold Weather) Battery Pack** (BC2658)  
For constant power in freezing weather. Keeps the battery warm next to the body. With cord connection to the camera. Uses 4AA batteries. For GS-1 and ETRSi.  
**Item # BRBPR4AAG.....202.50**

**Remote Battery Case** (BC1656)  
(Replacement.)  
**Item # BRCRBPE.....86.50**

**Remote (Cold Weather) Battery Pack** (B1630)  
Keeps the battery warm next to the body. With cord connection to the camera. Uses 6V battery. For GS-1, ETRS and SQ-A. (Limited availability.)  
**Item # BRBPR6VG .....79.95**

**Winding Crank** (BG3700)  
(Replacement.)  
**Item # BRWCG.....67.50**

**Body Cap** (BG3843)  
(Replacement.)  
**Item # BRBCG .....17.95**

**Winding Cover G** (BG3851)  
(Replacement.)  
**Item # BRWCGQ.....13.95**

**Battery Compartment Cover** (BG3846)  
(Replacement.)  
**Item # BRBCCG.....17.95**

**GS-1 Battery** (4LR44)  
4LR44 alkaline battery. (Replacement.)  
**Item # GB28A.....6.95**

**Dummy Battery Cord** (BC2659)  
(Replacement.)  
**Item # BRCBPG.....102.95**

*Body Accessories continued on next page*



## VIEWFINDERS

**Waist-Level Finder G** (BG3301)  
Widely used for general photography and especially for close-ups, composition and low-angle shooting. Single action collapsible shade with flip up magnifier for critical focus. Shutter release warning LED is visible through the waist-level finder.  
**Item # BRFWLG.....159.00**

**Prism Finder G** (BG3302)  
The eye-level Prism Finder G portrays bright, laterally correct images, incorporating total internal reflection prism. With its high magnification power, the Prism Finder G makes vertical formats as simple to shoot as horizontal formats. Combined with the Speed Grip, the GS-1 will operate with the simplicity of a 35mm camera.  
**Item # BRFPG.....599.00**

AE Prism Finder G (BG3303)



**AE Prism Finder G** (BG3303)  
Aperture priority TTL-AE plus manual shooting. Provides aperture priority center-weighted average readings in 1/8 stop shutter speeds, which makes it an essential element for field and action shooting. Using the AE Prism Finder G, laterally bright, clear images are obtained.  
**Item # BRFAEG.....1,099.00**

**AE Rotary Prism Finder G** (BG3305)  
Built-in exposure meter, takes its power from the camera body. When angle is changed from horizontal to vertical, the image can be seen from above by turning the eyepiece. The exposure measurement mechanism gives aperture priority TTL fully automatic operation. Average exposure or spot exposure measurements can be selected, plus manual shooting.  
**Item # BRFAERG .....1,175.00**





### BODY ACCESSORIES, cont.

- Camera Rear Cover (BG3841)  
(Replacement.)  
**Item # BRBCRG.....17.95**
- Revolving  
Tripod Adapter G (BG3651)  
**Item # BRTARG .....429.95**
- Spacer (BG3652)  
For Revolving Tripod Adapter.  
**Item # BRSERTAG .....46.50**
- Camera Bottom  
Terminal Cover (BG3848)  
(Replacement.)  
**Item # BRBTCTG.....13.95**
- Camera Body Top Cover (BG3844)  
(Replacement.)  
**Item # BRBCTG.....17.95**
- Camera Bottom Cover (BE2911)  
(Replacement.)  
**Item # BRBCBE .....17.95**
- Tripod Adapter (BC2651)  
For Polaroid Film Back.  
**Item # BRTAPBS.....184.50**
- Battery Chamber Cover (BG3863)  
For the GS-1 Speedlight.  
(Replacement.)  
**Item # BRBCCG1 .....14.95**
- Synchro Contact Cover (BC2961)  
(Replacement.)  
**Item # BRSCCE.....12.95**
- Camera Bottom  
Coupler Cover (BG3850)  
(Replacement.)  
**Item # BRBCCGQ .....13.95**
- Electrical Cable  
Release Cover (BG3852)  
(Replacement.)  
**Item # BRERCG .....9.95**
- Neck Strap (BC3820)  
Pro wide. Web nylon.  
(Replacement.)  
**Item # BRSNE.....49.50**
- Hot Shoe Cover (BC2924)  
**Item # BRHSCSGE .....12.95**



### LENS ACCESSORIES

#### Auto Extension Tubes

##### AUTOMATIC EXTENSION TUBES CLOSE-UP DATA

Lens	Tube Used	Magnification	Area Covered (cm)
50mm	G-18	0.36-0.51	(10.9 x 13.5) ~ (15.4 x 19.2)
	G-36	0.72-0.87	(6.4 x 7.9) ~ (7.7 x 9.6)
65mm	G-18	0.28-0.43	(12.9 x 16.0) ~ (20.1 x 24.9)
	G-36	0.55-0.71	(7.8 x 9.7) ~ (10.0 x 12.5)
100mm	G-18	0.18-0.37	(15.1 x 18.7) ~ (30.9 x 38.3)
	G-36	0.36-0.55	(10.1 x 12.6) ~ (15.4 x 19.2)
110mm Macro	G-18	0.17-0.42	(13.2 x 16.3) ~ (33.4 x 41.4)
	G-36	0.33-0.59	(9.4 x 11.7) ~ (16.7 x 20.7)
150mm	G-18	0.12-0.25	(22.2 x 27.6) ~ (46.3 x 57.5)
	G-36	0.24-0.37	(15.0 x 18.6) ~ (23.2 x 28.8)
200mm	G-18	0.09-0.22	(25.3 x 31.4) ~ (60.5 x 75.1)
	G-36	0.18-0.31	(17.8 x 22.1) ~ (30.3 x 37.6)
250mm	G-18	0.07-0.18	(31.6 x 39.2) ~ (75.7 x 93.9)
	G-36	0.15-0.25	(22.3 x 27.7) ~ (37.8 x 47.0)



Mount between camera and lens. Automatic diaphragm action, full aperture exposure metering and lens shutter mechanism can all be used with these extension tubes. When using the AE finder or AE rotary finder, exposure compensations are taken care of automatically, regardless of the exposure factor, simplifying close-up shooting.

#### Automatic Extension

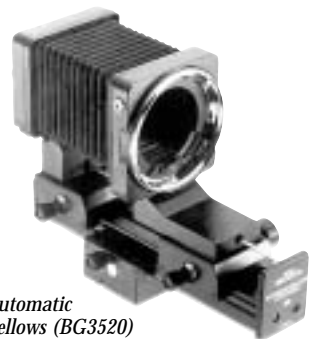
**Tube G-18** (BG3510)  
Extends lens 18mm from body.  
**Item # BRETAG18.....479.00**

#### Automatic Extension

**Tube G-36** (BG3511)  
Extends lens 28mm from body.  
**Item # BRETAG36.....479.00**

#### Automatic Bellows

**Automatic Bellows** (BG3520)  
Provides lens extensions. By positioning it between the camera body and lens, it provides continuously variable lens extensions, from 53mm to 153mm, with no loss of automatic lens diaphragm action and electronic shutter action in the lenses. When using it with the optional AE Prism or Rotary Finder, manual exposure operation or complete exposure automation is retained.  
**Item # BRBAG .....1,659.00**



Automatic  
Bellows (BG3520)

#### Professional Lens Hoods

**Professional Lens Hood G** (BG3410)  
With 72mm adapter ring. Eliminates distracting glare and reflections. This bellows type accessory has continuous variable extensions on two extension rails. Adjustable for most focal lengths, and offers a slot that accepts up to two square gelatin filters of 100mm x 100mm or 4" x 4" size. Mattes may be attached for special effects.  
**Item # BRPLHG .....439.00**

**Professional Hood Mask** (BG3710)  
Specifically designed to provide correct coverage for telephoto 150-250mm lenses.  
**Item # BRMPLHG.....52.95**

**72mm Adapter Ring** (BG3711)  
For Professional Lens Hood.  
(Replacement.)  
**Item # BRAR72PLHG.....36.95**



Professional  
Lens Hood  
(BG3410)

**77mm Adapter Ring** (BC1713)  
For Professional Lens Hood.  
(Replacement.)  
**Item # BRAR77PLHS.....36.95**

**82mm Adapter Ring** (BG3712)  
For Professional Lens Hood.  
**Item # BRAR82PLHG.....36.95**

**95mm Adapter Ring** (BG3713)  
For Professional Lens Hood.  
**Item # BRAR95PLHG.....36.95**



## LENS ACCESSORIES, con.

### Rapid Focus Lever

Rapid Focusing Lever (BG3650)



When placed over the focusing ring of the lens, the Rapid Focusing Lever provides fast, smooth focusing, to keep up with fast-breaking action. For 50-250mm lenses.

Item # **BRFLG** .....**72.95**

### Lens Hoods

Rubber Lens Hood (BG3401)

For 65mm lens.

Item # **BRLH65G** .....**49.95**

Rubber Lens Hood (BG3402)

For 100/110mm lenses.

Item # **BRLH100G** .....**49.95**

Rubber Lens Hood (BG3403)

For 150mm lens.

Item # **BRLH150G** .....**49.95**

Rubber Lens Hood (BG3405)

For 200/250mm lenses.

Item # **BRLH200G** .....**49.95**

### Lens Caps

Front Lens Cap 72mm (BG3830)

(Replacement.)

Item # **BRLC72G** .....**17.95**

Front Lens Cap 82mm (BG3831)

(Replacement.)

Item # **BRLC82G** .....**23.95**

Front Lens Cap 95mm (BG3832)

(Replacement.)

Item # **BRLC95G** .....**36.95**

Front Lens Cap 122mm (BG3833)

For 500mm f/8 PS lens.

(Replacement.)

Item # **BRLC500PE** .....**38.95**

Rear Lens Cap (BG3835)

For PG lenses. (Replacement.)

Item # **BRLCRG** .....**19.95**



## VIEWFINDER ACCESSORIES

Finder

Bottom Cover (BG3840)

(Replacement.)

Item # **BRFCBG** .....**17.95**

Rubber Eyecup (BG3825)

For AE and prism finders.

(Replacement.)

Item # **BRECPFG** .....**17.95**

Rubber Eyecup (BC1712)

For Rotary Finder.

(Replacement.)

Item # **BRECRFG** ....**17.50**

### Corrective Viewfinder Eyepieces

Makes viewing more comfortable for eyeglass wearers. The following chart will aid you in comparing your eyeglass prescription (B) with an optional corrective eyepiece (A).

FOR THE WAIST-LEVEL FINDER					FOR AE ROTARY FINDER					FOR THE AE AND PRISM FINDERS				
(A)		(B)	Eyeglass Prescription	Price	(A)		(B)	Eyeglass Prescription	Price	(A)		(B)	Eyeglass Prescription	Price
Item #	Diopter				Item #	Diopter				Item #	Diopter			
BRDP2.5WLF (BG3618)	+2.5	+4.0		<b>61.95</b>	BRDP2.5AERFG (BG3638)	+2.5	+4.0		<b>61.95</b>	BRDP2.5AEFG (BG3628)	+2.5	+4.0		<b>61.95</b>
BRDP1.5WLF (BG3616)	+1.5	+3.0		<b>61.95</b>	BRDP1.5AERFG (BG3636)	+1.5	+3.0		<b>61.95</b>	BRDP1.5AEFG (BG3626)	+1.5	+3.0		<b>61.95</b>
BRDP.5WLF (BG3615)	+0.5	+2.0		<b>61.95</b>	BRDP.5AERFG (BG3635)	+0.5	+2.0		<b>61.95</b>	BRDP.5AEFG (BG3625)	+0.5	+2.0		<b>61.95</b>
BRDM.5WLF (BG3614)	-0.5	+1.0		<b>61.95</b>	BRDM.5AERFG (BG3634)	-0.5	+1.0		<b>61.95</b>	BRDM.5AEFG (BG3624)	-0.5	+1.0		<b>61.95</b>
BRDM1.5WLF (BG3613)	-1.5 std.	0.0		<b>61.95</b>	BRDM1.5AERFG (BG3633)	-1.5 std.	0.0		<b>61.95</b>	BRDM1.5AEFG (BG3623)	-1.5std.	0		<b>61.95</b>
BRDM2.5WLF (BG3612)	-2.5	-1.0		<b>61.95</b>	BRDM2.5AERFG (BG3632)	-2.5	-1.0		<b>61.95</b>	BRDM2.5AEFG (BG3622)	-2.5	-1.0		<b>61.95</b>
BRDM3.5WLF (BG3611)	-3.5	-2.0		<b>61.95</b>	BRDM3.5AERFG (BG3631)	-3.5	-2.0		<b>61.95</b>	BRDM3.5AEFG (BG3621)	-3.5	-2.0		<b>61.95</b>
BRDM4.5WLF (BG3610)	-4.5	-2.0		<b>61.95</b>	BRDM4.5AERFG (BG3630)	-4.5	-3.0		<b>61.95</b>	BRDM4.5AEFG (BG3620)	-4.5	-3.0		<b>61.95</b>



## FLASH ACCESSORIES

GS-1 Speed Light (BG3750)

Combines a light measuring element to automatically adjust through-the-lens light by directly metering it off the film plane regardless of shutter speed and aperture. It is used with the Speed Grip. The guide number 32 (Full, 1/2, 1/4, or 1/8 selectable) indicators for the direction of the flash (up, down, right, or left respectively), are variable up to 90° for bounce photography.

Item # **BRG1** .....**399.00**

Wide Panel for  
G-1 Speed Light (BG3861)

(Replacement.)

Item # **BRWPG1** .....**15.95**

Synch Cord for  
G-1 Speed Light (BG3862)

(Replacement.)

Item # **BRSCG1** .....**13.95**

Soft Case for  
G-1 Speed Light (BG3860)

(Replacement.)

Item # **BRCG1** .....**24.50**



## CASES



Film  
Back  
Case  
(BG3802)

Film Back Case (BG3802)

Item # **BRCFBGQ** .....**49.95**

Hard Case (BG3414)

For 50mm lens.

(Replacement.)

Item # **BRLC50G** .....**54.95**

Hard Case (BG3415)

For 65-105mm lenses.

(Replacement.)

Item # **BRLC65G** .....**54.95**

Hard Case (BG3416)

For 200mm lens.

(Replacement.)

Item # **BRLC200G** .....**54.95**

Hard Case (BG3417)

For 250mm lens.

(Replacement.)

Item # **BRLC250G** .....**54.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

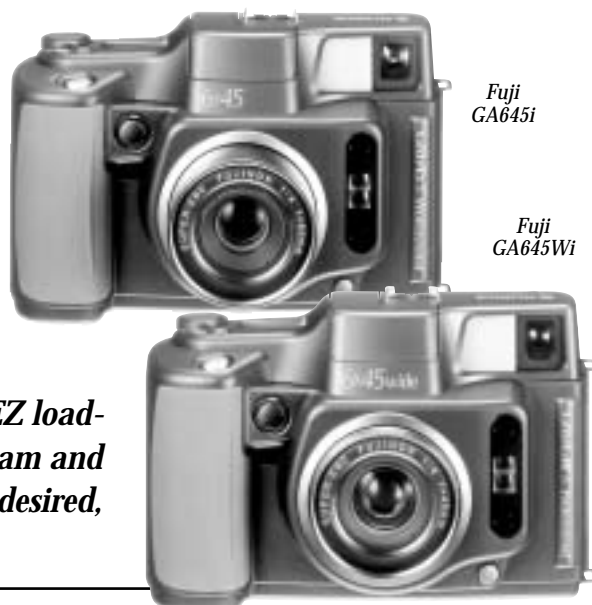
# F U J I

## GA645i, GA645Wi 6x4.5 AUTOFOCUS CAMERAS

MEDIUM FORMAT

28

*These compact, self-contained medium-format autofocus cameras handle as easily as a 35mm rangefinder. With a picture area nearly three times larger than 35mm, photographers can obtain a high degree of sharpness, resolution and color brilliance. Both GA645's offer advanced features such as passive and active autofocus (switchable to manual), EZ loading, DX bar-code system, automatic exposure setting in program and aperture priority modes, manual exposure adjustment when desired, a Super EBC Fujinon lens and a built-in flash.*



Fuji  
GA645i

Fuji  
GA645Wi

### FEATURES

- **Automatically selects Active or Positive autofocus plus full manual focus control**

- **Programmed Automatic, Aperture Automatic or Manual Modes**

- **Data back records date/time and exposure values**

GA645i Pro AF Camera (05010026)  
With soft case, lens hood, carrying strap and 2 lithium batteries.  
**Item # FUGA645i .....1,525.00**

GA645Wi Pro AF Camera (05010028)  
With soft case, lens hood, carrying strap and 2 lithium batteries.  
**Item # FUGA645Wi .....1,679.00**

Close Up Kit GA (05013092)  
Allows focusing a 5x7" (13x18cm) object down to 7.8" (20cm).  
**Item # FUCUKGA645 .....294.95**

Vari Angle Stand GA (05013094)  
Mounted on a tripod, horizontal or vertical positioning can be changed to same axis.  
**Item # FUSVAGA645 .....204.95**

Semi Hard Case (05013096)  
**Item # FUCGA645 .....105.00**

High Power Flash Unit (05013098)  
Automatic intensity control. Works together with the cameras pop-up flash.  
**Item # FUSGA645 .....231.00**

Flash Bracket GA (05013090)  
Shoe rotates 90°. Allows vertical or horizontal shots.  
**Item # FUBGA645 .....154.95**

### GA645i, GA645Wi SPECIFICATIONS

#### TYPE:

6x4.5 format (2 1/4 x 1 1/2")  
autofocus rangefinder  
camera with built-in lens

#### FILM ADVANCE:

Full automatic motorized film advance.  
Alert buzzer at last frame.  
Auto forward winding after last frame.  
Film speed setting:  
25-1600 ISO

#### VIEWFINDER:

Bright frame, automatic parallax self-correction rangefinder;  
93% of actual field-of-view, plus full information LCD in viewfinder

*Subject to change without notice*

#### LENS:

GA645i: EBC Fujinon  
60mm f/4, 6-group, 7-element  
GA645Wi: EBC Fujinon  
45mm f/4, 5-group, 7-element

#### FOCUSING:

Autofocus with passive and active functions, 0.7m to infinity, manual focus selectable, with focus lock function

**APERTURE RANGE:**  
f/4-22

#### ANGLE OF VIEW:

GA645i: 60°; GA645Wi: 75°

**EQUIVALENT FOCAL LENGTH IN 35MM FORMAT:**

GA645i: 37mm  
GA645Wi: 28mm

**LENS ACCESSORY SIZE:**  
52mm

#### SHUTTER:

Electronic lens shutter speeds 2 sec to 1/700 sec +B with program AE switchable to aperture priority and manual; buzzer indicates end of shutter action

#### SELF-TIMER:

10 sec. interval

#### FILM:

GA645i:  
120 roll film (15 exposures);  
220 roll film (30 exposures)  
GA645Wi:  
120 roll film (16 exposures);  
220 roll film (32 exposures)

#### FLASH:

Built-in pop-up auto flash  
G.N. 12 with ISO 100 plus  
Accepts any type electronic flash via standard hot shoe

#### METER:

Built-in thru the finder  
Center-weighted with  
SPO light sensor  
ISO Range 25-1600  
EV Range 3-19 (ISO 100)  
Indication via LED and  
LCD; Battery check: "Low"  
warning in LCD display

#### BATTERY:

2-CR123A Lithium batteries

#### DIMENSIONS:

GA645i: 6.5 x 3.3 x 2.6"  
(166 x 110 x 66mm) W.H.D.  
GA645Wi: 6.5 x 3.3 x 2.8"  
(166 x 110 x 70mm) W.H.D.

#### WEIGHT:

GA645i: 28.7 oz. (815g);  
GA645Wi: 29.5 oz. (835g)

**Literature Available Upon Request**



# F U J I

Fuji GW670III

## GW670III 6X7 CAMERA

*Lightweight, yet solidly built for heavy use, the ergonomically designed 6x7 pro from Fuji goes anywhere. This precision professional camera is designed for the working photographer who needs lightweight flexibility and high-resolution imagery.*

*An exclusive Fuji Electron Beam coating (EBC) for added picture contrast has been applied to the camera's lens. And to prevent lens flare, a collapsible lens hood has been built into the lens barrel.*

*The cameras are also equipped with two shutter buttons to minimize camera motion and facilitate vertical and horizontal shooting. A built-in shutter button lock prevents the shutter from being released accidentally.*



MEDIUM FORMAT

29

### FEATURES

- Hot shoe and sync socket combination for any flash
- Ergonomically designed grip for easier handling
- Lens shutter allows flash sync over entire shutter speed range
- One-touch spool loading and removal system
- Additive-type shutter release counter for pre-inspection shutter check
- Easy-to-read bright split-image rangefinder
- Self-cocking shutter for double exposure prevention

GW670III Camera (05010085)  
With case, built-in lens hood and shoulder strap.  
Item # FUGW6703....1,259.00

### GW670III SPECIFICATIONS

#### TYPE:

6 x 7cm format (2 1/4 x 2 1/4") rangefinder camera with built-in 90mm f/3.5 lens and bubble-level

#### FILM ADVANCE:

2-step winding operation; the first advance moves through 138°, the second adjusts automatically to film size; 120/220 film counter switch

#### VIEWFINDER:

Double image super-imposing rangefinder; 93% of actual field-of-view at 1 meter; 90% of actual field-of-view at infinity

#### LENS:

EBC Fujinon 90mm f/3.5, 5-group, 5 element lens with built-in lens hood

#### APERTURE RANGE:

f. 3.5-32

#### ANGLE OF VIEW:

52°

#### EQUIVALENT FOCAL LENGTH IN 35MM FORMAT:

44mm

#### LENS ACCESSORY SIZE:

67mm

#### SHUTTER:

#0 lens shutter T; 1-1/500 sec.; x-sync at all shutter speeds; shutter release lock

#### FILM:

120 roll film (10 exposures); 220 roll film (20 exposures); by adjustment of pressure plate

#### FLASH:

Accepts any type of electronic flash via standard top hot shoe or PC socket

#### DIMENSIONS:

4.7 x 7.8 x 5" (119 x 201 x 129mm) H.W.D

#### WEIGHT:

51.5 oz. (1460g)

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# F U J I

## G X - 6 8 0 I I 6 x 8 S Y S T E M

MEDIUM FORMAT

30

*The advanced GX-680II system includes many sophisticated operating features in order to provide the maximum benefits of automated function in step with professional needs. The 6x8 film frame area assures superior detail and quality. There are thirteen perspective control lenses, from the 50mm wide angle to the 300mm telephoto lens. The camera's built-in motor drive, comprehensive LCD indicators, revolving back and full front lens movements makes the GX-680II perfect for both studio and location work.*



*Fuji GX-680 II shown with GX 100mm f/4 Lens and Waist-Level Finder*

### FEATURES

- 1 FPS motor drive with auto advance to 1st frame
- LCD film condition indicator
- Revolving back for format adjustment
- 6x8cm format ideal ratio for 8x10 plus A&B page sizes
- Lens standard allows full shift, swing, tilt and rise adjustment for total image control
- Fill flash sync at all speeds for maximum fill control, depth-of-field and multi flash operation

GX680II Camera (05011003)  
With waist-level finder and central microprism matte-type screen. (Requires NiCad battery pack and charger.)  
Item # FUGX6802.....2,449.00

### GX-680II SPECIFICATIONS

#### TYPE:

6 x 8cm TTL between-the-lens electronic shutter SLR camera with interchangeable lens, film back, finder and focusing screen

#### LENS MOUNT:

Lens Board Mount. Optional Linhof Technika/Wista lensboard adapter for mirror-up use with large format lenses

#### FILM ADVANCE:

Motor-driven with single-frame and continuous modes up to 1 fps. Automatic winding to roll end after last frame

#### VIEWFINDER:

Interchangeable finder system; 97° image coverage

#### FOCUSING SCREEN:

Interchangeable type; standard screen is microprism-matte type

#### MIRROR LOCK-UP:

Possible with mirror lock-up switch

#### MULTIPLE EXPOSURE:

Possible with multiple exposure button

#### LENS:

Full control swings; tilt, rise and fall, and shift

#### LENS DIAPHRAGM:

Fully automatic instant reopening diaphragm action

#### SHUTTER:

Electronic control Seiko #1 between lens leaf shutter, shutter speeds 8 to 1/400 sec. +B

#### FILM BACK:

Daylight loading, rotating, interchangeable type; exclusive film backs for 120, 220 and Polaroid pack film

#### FILM:

120 roll film (9 exp.), 220 roll film; (18 exp.) Polaroid pack film (exclusive interchangeable film backs for each film type)

#### FLASH

#### SYNCHRONIZATION:

X-setting (all speeds to 1/400 sec.)

#### FLASH:

Accepts any type of electronic flash via standard top hot shoe or PC socket. Synchro test button.

#### BATTERY CHECK:

Green LED visible on top of camera

#### BATTERY:

Fuji 7.2 volt, 350 milliamp nicad battery pack (Requires charger)

#### DIMENSIONS:

7.3 x 10.9 x 8.1" (187 x 278 x 207mm)  
W.L.H. with 135mm standard lens, 120 back and battery pack.

#### WEIGHT:

9.1 lbs. (4.1 kg) complete with 135mm standard lens, 120 back and battery pack

*Subject to change without notice*

We are on the web at: <http://www.bhphotovideo.com>



## FUJINON GX LENSES

At the heart of the GX system is an impressive perspective control lens lineup offering complete image coverage and an unrivaled range of lens-to-film distances. Modern design techniques, coupled with special optical glass and multi-coating means impeccable performance and superb quality. Specifications of lens movements are: Rise and Fall is 15mm/13mm; Tilt is 12° up and 12° down; Swing is 12° left, 12° right and 12° shift.

### Wide Angle

**GX 50mm f/5.6** (05012025)  
With case.  
**Item # FU5056GX.....2,646.00**

**GX 65mm f/5.6** (05012019)  
With case.  
**Item # FU6556GX.....2,096.00**

**GX 80mm f/5.6** (05012001)  
With case.  
**Item # FU8056GX.....1,656.00**



*GX 65mm  
f/5.6 Lens (05012019)*

**GX 100mm f/4** (05012003)  
With case.  
**Item # FU1004GX.....1,143.00**

### Standard

**GX 125mm f/5.6** (05012005)  
With case.  
**Item # FU12556GX.....1,058.00**

**GXD 125mm f/3.2** (05012021)  
With case.  
**Item # FU12532GX.....1,622.00**

**GX 135mm f/5.6** (05012007)  
With case.  
**Item # FU13556GX.....1,042.00**

**GX 150mm f/4.5** (05012009)  
With case.  
**Item # FU15045GX.....1,161.00**

**GXD 180mm f/3.2** (05012023)  
With case.  
**Item # FU18032GX.....1,696.00**

**GX 180mm f/5.6** (05012011)  
With case.  
**Item # FU18056GX.....1,231.00**

### Soft Focus

**GX SF190mm f/8** (05012010)  
With case. The GX SF190mm is uncorrected for spherical aberrations, producing a soft focus effect by controlling the blurred effect.  
**Item # FU19080GX.....1,416.00**

### Telephoto

**GX 210mm f/5.6** (05012013)  
With case.  
**Item # FU21056GX.....1,214.00**

**GX 250mm f/5.6** (05012014)  
With case.  
**Item # FU25056GX.....1,262.00**

**GX 300mm f/6.3** (05012017)  
With case.  
**Item # FU30063GX.....1,777.00**

## SPECIFICATIONS OF FUJINON GX LENSES

Lens	50mm	65mm	80mm	100mm	D125	125mm	135mm	150mm	D180	180mm	SF190mm	210mm	250mm	300mm
Aperture Range f.	5.6-45	5.6-45	5.6-45	4-45	3.2-32	5.6-45	5.6-45	4.5-45	3.2-32	5.6-32	8-64	5.6-64	5.6-64	6.3-64
Angle of View	86.7°	72°	61°	50°	41°	41°	38°	35°	29°	29°	28°	25°	21°	18°
Lens Construction	9G, 12E	9G, 10E	8G, 8E	8G, 8E	6G, 8E	5G, 5E	6G, 6E	4G, 6E	5G, 7E	6G, 6E	3G, 3E	5G, 5E	4G, 5E	5G, 5E
Minimum focusing with standard rail	1' (.31m)	1.1' (.35m)	1.3' (.40m)	1.6' (.48m)	1.8' (.55m)	1.9' (.58m)	2.1' (.65m)	2.4' (.73m)	3.2' (.97m)	3.9' (1.2m)	5' (1.51m)	4.7' (1.44m)	8.2' (2.5m)	11.9' (3.62m)
Weight	44 oz. (1260g)	42 oz. (1190g)	36 oz. (1022g)	31.4 oz. (890g)	31 oz. (880g)	18.7 oz. (531g)	19 oz. (541g)	24.4 oz. (691g)	35.6 oz. (1010g)	27.3 oz. (775g)	24 oz. (680g)	29 oz. (824g)	31.8 oz. (901g)	38 oz. (1080g)
Length	4.9" (125mm)	4.6" (116mm)	4.4" (113mm)	4" (101mm)	3.8" (96mm)	3.1" (80mm)	3.1" (7.9mm)	3.6" (91mm)	4.1" (105mm)	4" (104mm)	4" (104mm)	4" (103mm)	4.4" (111mm)	5.5" (139mm)
Equivalent Focal Length in 35mm Format	23mm	30mm	38mm	46mm	58mm	58mm	63mm	69mm	83mm	83mm	88mm	97mm	115mm	138mm
Filter Size	112mm	95mm	95mm	82mm	82mm	82mm	82mm	82mm	95mm	82mm	82mm	82mm	82mm	82mm

*Subject to change without notice*



## FILM BACKS

Revolving backs allow you to change from horizontal to vertical format easily. Replacing a back is also simple. Just press the white revolving locking button and you can change or rotate the back. A reminder appears in the viewfinder indicating the correct frame lines when the back is in the horizontal position. A film speed selector located on the film back can be set from ISO 25 to 1600 in 1/2 step increments.



**120 Film Back with Insert** (05013001)  
6 x 8cm. 9 exposures.  
**Item # FUF68120GX....663.00**

**220 Film Back with Insert** (05013002)  
6 x 8cm. 18 exposures.  
**Item # FUF68220GX....684.00**

**120 Film Back with Insert** (05013055)  
6 x 7cm. 10 exposures.  
**Item # FUF67120GX....684.50**

**Film Insert Cassette** (05013047)  
For 120/220 film back.  
**Item # FUF6CGX.....124.95**

**Polaroid Film Back II** (05013078)  
Developed with the Polaroid Corporation. Provides 2.4 x 3.1" (60 x 80mm) instant pictures for pre-checking light, composition and exposure. Uses 3 1/4 x 4 1/4" pack film.  
**Item # FUF6PGX6802.....374.00**

*Revolving Back on the GX-680II*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



FUJI

## GX - 680II SERIES



## VIEWFINDERS

**Waist-Level Finder II** (05013072)  
Magnification 3.9x. Built in -3 to +3 diopters with click stops in 0.5 increments. Can be flipped up and slides 14mm radius from center. Weighs 10.9 oz. (310g).  
**Item # FUFWLGX6802 ...174.50**

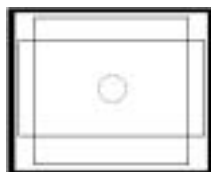
**Angle Finder II** (05013043)  
90° angle. For right image, eye-level viewing of the subject. With built in -4 to +3 diopter. Weighs 13.1 oz. (372g).  
**Item # FUFAGX2 .....499.00**

**AE Finder FL** (05013053)  
TTL-reflected light exposure-meter measures the amount of light which comes through the camera lens. Measures brightness of hard-to-approach subjects, close ups, trans-illuminated subjects, and light-emitting subjects. Mode switch can be set to AE, AEL (AE lock) and flash to be used as a flash-meter. Weighs 16.4 oz. (468g).  
**Item # FUAFLGX ...1,476.00**

**Magnifying Hood** (05013051)  
Rotatable 4x high magnification lens. Dioptic correction possible for the individual photographer's eyesight. Click-stop mechanism locks the setting. Weighs 11oz. (310g).  
**Item # FUMHGX .....344.00**



## FOCUSING SCREEN



**Grid-Matte Screen B** (05013045)  
**Item # FUFBSGX .....59.95**

**Focusing Screen C** (05013080)  
Full matte using center split-image with upper microprism.  
**Item # FUFSCGX .....75.95**

**Micro-Matte Screen D** (05013082)  
**Item # FUFSDGX .....59.95**



## BODY ACCESSORIES

**Remote Control Release 1M GX** (05013004)  
3.3~ (1 meter)  
**Item # FUCR1GX .....138.50**

**Remote Control Release 5M GX** (05013006)  
16.4~ (5 meter)  
**Item # FUCR5GX .....193.50**



## LENS ACCESSORIES

## Automatic Bellows

**Wide Angle Bellows** (05013013)  
For use with wide-angle lens.  
**Item # FUBWAGX .....92.95**

**Extended Wide Angle Bellows** (05013059)  
Requires Extension Rail 80mm.  
**Item # FUBEWAGX .....194.95**

**Double Extension Rail GX (80mm)** (05013057)  
**Item # FUREDGX .....138.50**

**Battery Pack GX** (05013007)  
Required for camera use.  
**Item # FUBPNGX .....109.95**

**Battery Charger GX** (05013009)  
Required for camera use.  
**Item # FUCGXQ .....312.00**

## Lens Hoods

**Lens Hood** (05013049)  
For 65mm or 80mm lens; has a filter pocket for 100mm gel filters, is mounted over the front end of 100mm outer diameter and is secured with a screw.  
**Item # FULH65GX .....124.95**

## Misc. Lens Items

**LF Lensboard Adapter** (05013027)  
For mounting large size lenses on the GX680 using Linhof Technika type lensboards.  
**Item # FULBAGX .....193.50**

## Professional Lens Hood



**Professional Lens Hood II** (05013074)  
For use on 100-300mm lenses. The bellows is drawn out to cut off extraneous light. It is slipped over the front end of 85mm outer diameter lenses and secured with a screw. Bellows draw is 25-107mm. Provisions for inserting 100mm gel filters on rear and 120mm vignettes in front of shade.  
**Item # FUBLHGX6802 .....389.95**

**Adapter Ring 100** (05013076)  
For use with ø85mm lens with Bellow Lens Shade II.  
**Item # FUAR100GX .....27.95**



## VIEWFINDER ACCESSORIES

For eyeglass wearers. For waist-level and AE finders.

**-4 Diopter** (05013029)  
**Item # FUDM4GX .....53.95**

**-3 Diopter** (05013031)  
**Item # FUDM3GX .....53.95**

**-2 Diopter** (05013033)  
**Item # FUDM2GX .....53.95**

**0 Diopter** (05013035)  
**Item # FUD0GX .....53.95**

**+1 Diopter** (05013037)  
**Item # FUDP1GX .....53.95**

**+2 Diopter** (05013039)  
**Item # FUDP2GX .....53.95**

**+3 Diopter** (05013041)  
**Item # FUDP3GX .....53.95**



Remote Control Release  
5M GX (05013006)

**AC Power Supply GX** (05013011)  
**Item # FUACAGX .....524.95**

**Neck Strap for GX** (05013019)  
**Item # FUSGX .....264.50**



## CASES



**Carrying Case GX** (05013021)  
With removable strap. Holds GX-680II with 210mm lens and shorter mounted, film back and battery pack, additional lens, spare battery pack, charger and Polaroid film back. 18.7 x 14 x 8.6~ (475 x 355 x 218mm) L.H.D. Weighs 5.5 lbs. (2.5kg).  
**Item # FUCGX .....516.95**

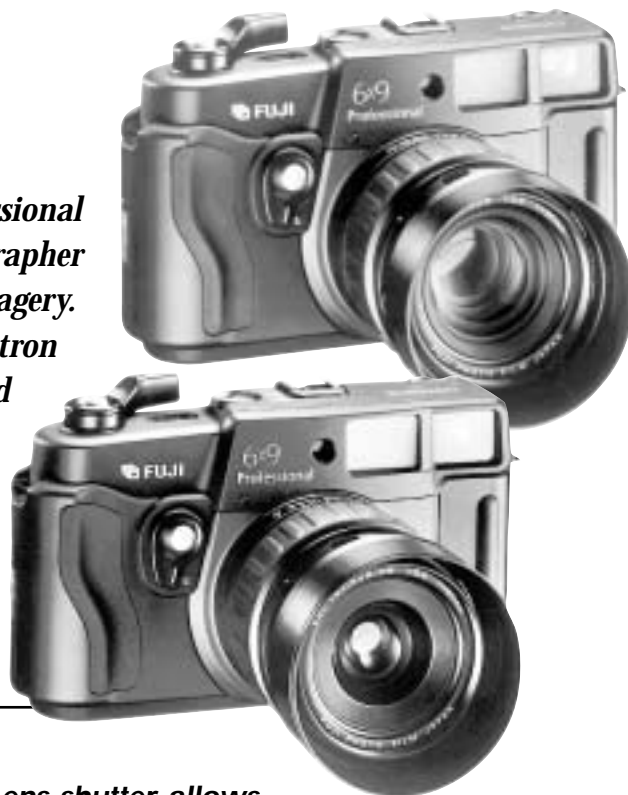
Overnight Shipping Available

# F U J I

## GW690 III, GSW690 III 6x9 CAMERAS

*Sophisticated, yet simple to handle, the 6x9 professional cameras from Fuji are designed for the working photographer who needs lightweight flexibility and high-resolution imagery.*

*For added picture contrast, an exclusive Fuji Electron Beam coating has been applied to the cameras lenses. And to prevent lens flare, a collapsible lens hood has been built into the lens barrel. The cameras are also equipped with two shutter buttons to minimize camera motion and facilitate vertical and horizontal shooting. A built-in shutter button lock prevents the shutter from being released accidentally.*



MEDIUM  
FORMAT

33

### FEATURES

- Hot shoe and sync socket combination for any type of flash
- Additive-type shutter release counter for pre-inspection shutter check
- Easy-to-read bright split-image rangefinder
- Ergonomically designed grip for easier handling
- Self-cocking shutter
- Lens shutter allows flash sync over entire shutter speed range
- Switches to activate appropriate film counter (120/220)

GW690III Camera (05010065)  
With case, lens hood and strap.  
Item # FUGW6903 .....1,259.00

GSW690III Camera (05010075)  
With case, lens hood and strap.  
Item # FUGSW6903 ....1,278.00

## GW690 III, GSW690 III SPECIFICATIONS

### TYPE:

6 x 9cm format  
(2 1/4 x 3 3/4") rangefinder  
cameras with built-in lens

### FILM ADVANCE:

2-step winding operation;  
the first advance moves  
through 138°, the second  
adjusts automatically to  
film size; 120/220 film  
counter switch

### VIEWFINDER:

Double image super-  
imposing rangefinder;  
93% of actual  
field-of-view at 1 meter;  
90% of actual  
field-of-view at infinity

### LENS:

GW690 III:  
Fujinon 90mm f/3.5,  
5-group, 5 element.

GSW690 III:  
Fujinon SW65mm f/5.6,  
4 group, 5 element

### APERTURE RANGE f:

GW690 III: 3.5-32  
GSW690 III: 5.6 - 32

### ANGLE OF VIEW:

GW690 III: 58°;  
GSW690 III: 76°

### EQUIVALENT FOCAL LENGTH IN 35MM FORMAT:

GW690 III: 39mm  
GSW690 III: 28mm

### SHUTTER:

#0 lens shutter T;  
1-1/500 sec.;  
x-sync at all shutter speeds;  
shutter release lock

### FILM:

GW690 III:  
120 roll film (8 exp.);  
220 roll film (16 exp.);

GSW690 III:  
120 roll film (8 exp.);  
220 roll film (16 exp.)  
by adjustment of pressure  
plate

### FLASH:

Accepts any type of  
electronic flash via  
standard top hot shoe  
or PC socket

### DIMENSIONS:

GW690 III:  
4.7 x 7.8 x 5"~  
(119 x 201 x 129mm)  
H.W.D

GSW690 III:  
4.7 x 7.8 x 5.1"~  
(119 x 201 x 132mm)  
H.W.D

### WEIGHT:

GW690 III:  
51.5 oz. (1460g);  
GSW690 III:  
53.3 oz. (1510g)

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# HASSELBLAD

## 501CM 6x6 SYSTEM

MEDIUM FORMAT

34

*The Hasselblad 501CM is designed to make your step up into the world of medium format as easy and rewarding as possible. Consisting of the camera body, a waist-level viewfinder, a 120 film back, and a Zeiss Planar CB 80mm f/2.8 leaf shutter lens, the 501CM is part of the extensive Hasselblad system, which allows you to gradually build up a range of equipment to suit your personal needs. From the large scope of film backs, to the 17 different lenses, Hasselblad has something for you to add as your needs develop.*



*Hasselblad 501CM shown with CB 80mm f/2.8 lens, 120 Film Back, and Waist-Level Finder*

### FEATURES

■ **Economic entry level camera system**

■ **Full-size mirror allows optimum viewing with long lenses**

■ **One of the most extensive medium format systems**

■ **Comes with Acute-Matte D screen**

501CM Camera Body (Chrome) (10238)  
With waist-level finder, Acute-Matte D screen and strap. Black trim.  
Item # HA501CMC .....1,585.00

501CM Camera Body (Black) (10240)  
With waist-level finder, Acute-Matte D screen and strap. Black trim.  
Item # HA501CMB .....1,585.00

501CM Kit (Chrome) (11051)  
501CM Camera Body, 80mm CB lens, front lens cap, A12 film back and strap. Black trim.  
Item # HA501CMCK .....2,695.00

501CM Kit (Black) (11054)  
501CM Camera Body, 80mm CB lens, front lens cap, A12 film back and strap. Black trim.  
Item # HA501CMBK .....2,695.00

### 501C SPECIFICATIONS

#### TYPE:

6 x 6cm format  
(2 1/4 x 2 1/4") lens shutter  
single lens reflex camera  
system,  
with interchangeable lens,  
film back, finder  
and focusing screen

#### LENS MOUNT:

Hasselblad bayonet mount

#### FILM ADVANCE:

Film winding crank;  
one complete forward  
revolution

#### VIEWFINDER:

Interchangeable  
viewfinder system

#### FOCUSING SCREEN:

Interchangeable type;  
standard screen is  
Acute-Matte D

#### MIRROR LOCK-UP:

Possible with mirror  
lock-up switch

#### MULTIPLE EXPOSURE:

Possible with removal  
of film back, crank  
advancement and  
replacement of back

#### LENS DIAPHRAGM:

Fully automatic reopening  
diaphragm action; stops  
down to working aperture  
immediately prior to  
exposure

#### SHUTTER:

Mechanical leaf type in lens  
with speeds from 1 second  
to 1/500 +B

#### FILM BACK:

Daylight loading  
interchangeable type;  
exclusive film backs for  
120 (6x6cm),  
120 horizontal (6x4.5cm),  
220 roll films (6x6cm),  
70mm double  
perforated film (6x6cm)  
and Polaroid pack film

#### FILM:

120 roll film (12 exposures,  
16 exposures horizontally);  
220 roll film (24 exposures);  
70mm double perforated  
film (70 exposures);  
Polaroid pack film

#### FLASH

#### SYNCHRONIZATION:

X-sync  
(all speeds to 1/500 sec.)

#### FLASH:

Via PC socket on each lens

#### DIMENSIONS:

7 x 4 1/2 x 4 1/4"  
(180 x 114 x 107mm)  
L.W.H. with waist-level  
finder, 80mm lens  
and A-12 120 back

#### WEIGHT:

3 lb. 5 oz. (1500g)  
with waist-level finder,  
80mm lens and  
A-12 120 back

*Subject to change without notice*

**We Ship Worldwide**



# HASSELBLAD

5 0 3 C W      6 x 6   S Y S T E M

*The 503CW single-lens reflex camera is a further step up in the development of the Hasselblad camera system. With an electronic flash sensor system (TTL/OTF), the 503CW results in perfect flash pictures. Requiring no internal battery, the sensor system is powered by the flash batteries and has a working range from ISO 16 to ISO 1000. The Hasselblad 503CW features a gliding mirror and the Acute Matte D focusing screen, which gives a full viewfinder image regardless of which lens or accessories you use.*



Hasselblad 503CW shown with 80mm f/2.8 lens, 120 Film Back, and Waist-Level Finder

MEDIUM FORMAT

35

## FEATURES

- **Acute-Matte focusing screen provides an exceptionally bright image with superb corner-to-corner resolution**
- **Integral TTL/OTF automatic dedicated flash control metering**
- **Maximum flexibility**
- **Superb image quality with first class Zeiss and Schneider optics**
- **Part of the most comprehensive 6x6 system**

**503CW Camera Body (Chrome) (10243)**  
Complete with crank, waist-level finder, Acute-Matte screen, strap, front and rear protective covers. Chrome trim.

**Item # HA503CWC.....1,797.00**

**503CW Kit (Chrome)**  
503CW Camera body, 80mm f/2.8 CF lens, A12 film back. Chrome trim.

**Item # HA503CWCK.....4,211.00**

**503CW Camera Body (Black) (10246)**  
Complete with crank, waist-level finder, Acute-Matte screen, strap, front and rear protective covers. Black trim.

**Item # HA503CWB.....1,797.00**

**503CW Kit (Black)**  
503CW Camera body, 80mm f/2.8 CF lens, A12 film back. Black trim.

**Item # HA503CWBK ....4,211.00**

## 503CW SPECIFICATIONS

### TYPE:

6 x 6cm format (2 1/4 x 2 1/4")  
lens shutter single reflex camera system, with interchangeable lens, film back, finder and focusing screen

### LENS MOUNT:

Hasselblad bayonet mount

### FILM ADVANCE:

Film winding crank; one complete forward revolution

### VIEWFINDER:

Interchangeable viewfinder system

### FOCUSING SCREEN:

Interchangeable type; standard screen is Acute-Matte D

### MIRROR LOCK-UP:

Possible with mirror lock-up switch

### MULTIPLE EXPOSURE:

Possible with removal of film back, crank advancement and replacement of back

### LENS DIAPHRAGM:

Fully automatic instant reopening diaphragm action; stops down to working aperture immediately prior to exposure

### SHUTTER:

Mechanical leaf type in lens with speeds from 1 second to 1/500 +B

### FILM BACK:

Daylight loading interchangeable type; exclusive film backs for 120 (6x6cm), 120 horizontal (6x4.5cm), 220 roll films (6x6cm), 70mm double perforated film (6x6cm) and Polaroid pack film

### FILM:

120 roll film (12 exposures, 16 exposures horizontally); 220 roll film (24 exposures); 70mm double perforated film (70 exposures); Polaroid pack film

### FLASH

**SYNCHRONIZATION:**  
X-sync  
(all speeds to 1/500 sec.)

### FLASH:

OTF auto flash operation with optional SCA 390 or 590 system adapter

### DIMENSIONS:

7 x 4 1/2 x 4 1/4"  
(180 x 114 x 107mm)  
L.W.H. with waist-level finder, 80mm lens and A12 120 film back.

### WEIGHT:

3 lbs. 5 1/2 oz. (1520g)  
with waist-level finder, 80mm lens and A12 120 film back

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# HASSELBLAD

5 5 3 E L X 6 x 6 S Y S T E M

MEDIUM FORMAT

36

*The 553 ELX single lens reflex camera system has a built-in motor that advances the film automatically and cocks the shutter after each exposure, making it possible to take as many as 1.2 pictures per second. The power source is five AA batteries, either Nicad for approximately 1,000 exposures per charge or 1.5V alkaline batteries for approximately 4,000 exposures. It has a built-in TTL/OTF flash sensor system. The result is perfect flash pictures regardless of the lens, filter, extension tube or bellows used.*



Hasselblad  
553 ELX shown  
with 80mm  
f/2.8 lens, 120  
Film Back  
and Waist-Level  
Finder

## FEATURES

- **Built-in electronic motor drive with remote control capability**
- **Acute-Matte focusing screen provides bright images with corner-to-corner resolution**
- **Integral TTL/OTF automatic dedicated flash control system**
- **Flash synchronization at all speeds**

**553 ELX Camera Body (Chrome) (10067)**  
Complete with Acute-Matte screen, waist-level finder, front and rear protective covers, strap, 2 fuses, socket cap, release button and release cord. Requires batteries. Chrome trim.  
**Item # HA553ELXC.....2,793.00**

**553 ELX Camera Body (Black) (10221)**  
Same as above with black trim.  
**Item # HA553ELXB.....2,793.00**

**553 ELX Kit (Chrome)**  
553 ELX camera body, 80mm f/2.8 CF lens and A12 film back. Chrome trim.  
**Item # HA553ELXCK...5207.00**

**553 ELX Kit (Black)**  
Same as above, with black trim.  
**Item # HA553ELXBK...5207.00**

## 553 ELX SPECIFICATIONS

### TYPE:

6 x 6cm format (2 1/4 x 2 1/4")  
lens shutter single lens reflex  
camera system with  
interchangeable lens,  
film back, finder and  
focusing screen

### LENS MOUNT:

Hasselblad bayonet mount

### FILM ADVANCE:

Built-in motor drive  
advance

### VIEWFINDER:

Interchangeable viewfinder  
system

### FOCUSING SCREEN:

Interchangeable type; stan-  
dard screen is Acute-Matte

### MIRROR LOCK-UP:

Possible with control knob  
on body

### MULTIPLE EXPOSURE:

Possible by locking motor  
drive before film advance,  
removing back, unlocking  
motor drive and replacing  
back on camera

### LENS DIAPHRAGM:

Fully automatic instant  
reopening diaphragm  
action, stops down to work-  
ing aperture immediately  
prior to exposure

### SHUTTER:

Mechanical leaf type in lens  
with speeds from 1 second  
to 1/500 +B

### FILM BACK:

Daylight loading  
interchangeable type;  
exclusive film backs  
for 120 (6x6cm),  
120 horizontal (6x4.5cm),  
220 roll films (6x6cm),  
70mm double perforated  
film (6x6cm), Polaroid pack  
film and digital imaging

### FILM:

120 roll film (12 exposures,  
16 exposures horizontally);  
220 roll film (24 exposures);  
70mm double  
perforated film (70 exp.);  
Polaroid pack film

### FLASH

#### SYNCHRONIZATION:

X-sync  
(all speeds to 1/500 sec.)

### FLASH:

OTF auto flash operation  
with optional SCA-390  
system adapter

### BATTERY CHECK:

Built-in, two-level LED  
battery power indicator

### BATTERY:

5 AA (LR6) batteries powers  
motor. 1,000 exposures per  
nickel-cadmium battery  
charge. 4,000 exposures per  
1.5V alkaline battery charge

### DIMENSIONS:

7 x 4 x 5 1/2" L.W.H.  
(180 x 100 x 150mm) with  
waist-level finder, standard  
lens and A12 120 film back

### WEIGHT:

4 lbs. 11 oz. (2130g) with  
waist-level finder, standard  
lens and A12 120 film back

*Subject to change without notice*



# HASSELBLAD

## 903 SWC 6x6 SYSTEM

*The 903SWC comes complete with a permanently attached, super wide-angle 38mm f/4.5 Zeiss Biogon CF lens providing a 90° diagonal angle of view. The distinguishing characteristics of the Biogon lens are its high resolution and the possibility of practically distortion free images. The uncompromising design, with a short distance between the lens and film plane, calls for an optical viewfinder on top of the camera body. A spirit level is installed in the top surface of the viewfinder and is visible in it. The Hasselblad 903SWC - the perfect choice for wide-angle photography where quality counts.*



Hasselblad 903SWC shown with 120 Film Back

MEDIUM FORMAT

37

### FEATURES

- **Extremely wide angle of view and enormous depth of field**
- **Optical viewfinder with built-in spirit level which facilitates horizontal and vertical alignment. Allows user to view f-stop, shutter speed and distance setting through viewfinder**
- **Compatible with all Hasselblad film backs and Bayonet 60 filters**

**903SWC**  
Camera Body (Chrome) (10052)  
Complete with viewfinder SWC, strap, front lens cap, rear protective cover. Chrome trim.  
Item # HA903SWCC .....**4,986.00**

**903SWC Camera Body (Black) (10201)**  
Same as above with black trim.  
Item # HA903SWCB.....**4,986.00**

**903SWC**  
Kit (Chrome)  
903SWC camera body with an A12 film back. Chrome trim.  
Item # HA903SWCCK ..**5,681.00**

**903SWC**  
Camera Body (Black)  
Same as above with black trim.  
Item # HA903SWCBK ..**5,681.00**

### 903 SWC SPECIFICATIONS

#### TYPE:

6 x 6cm format  
(2 1/4 x 2 1/4") lens shutter  
non-SLR camera  
with interchangeable backs

#### FILM ADVANCE:

Film winding ratchet crank

#### VIEWFINDER:

Removable optical  
viewfinder with spirit-level;  
allows viewer to see focusing  
footage, f-stops and shutter  
speeds

#### LENS:

Built-in 38mm f4.5  
Zeiss Biogon CF lens

#### APERTURE RANGE:

f 4.5 - 22

#### ANGLE OF VIEW:

90° diagonal;  
72° horizontal

#### EQUIVALENT FOCAL LENGTH IN 35MM FORMAT:

24mm

#### SHUTTER:

Mechanical leaf type in lens  
with speeds from 1 second  
to 1/500 +B

#### MULTIPLE EXPOSURE:

Possible by locking motor  
drive before film advance,  
removing back, unlocking  
motor drive and replacing  
back on camera

#### FILM BACK:

Daylight loading  
interchangeable type;  
exclusive film backs  
for 120 (6x6cm),  
120 horizontal (6x4.5cm),  
220 roll films (6x6cm),  
70mm double perforated  
film (6x6cm) and Polaroid  
pack film

#### FILM:

120 roll film (12 exposures,  
16 exposures horizontally);  
220 roll film (24 exposures);  
70mm double  
perforated film (70 exp.);  
Polaroid pack film

#### FLASH

#### SYNCHRONIZATION:

X-sync  
(all speeds to 1/500 sec.)

#### FLASH:

Via PC socket on lens

#### DIMENSIONS:

5 1/8 x 4 1/2 x 5 1/8"  
(145 x 112 x 150mm)  
L.W.H. with optical  
viewfinder, lens and  
A12 120 film back

#### WEIGHT:

2 lb. 15 oz. (1325g)  
with optical viewfinder,  
lens & A12 120 film back

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



# HASSELBLAD

2 0 1 F 6 x 6 S Y S T E M

MEDIUM FORMAT

38

*The 201F is designed to take maximum advantage of Hasselblad's extensive system of lenses and accessories to accommodate the widest possible range of personal working styles. It features a precise, electronically-controlled focal plane shutter and an instant return mirror. It provides shutter speeds up to a fast 1/1000 sec., in half-stop increments, with flash synchronization to 1/90 sec. The 201F is powered by a single 6 volt battery that yields up to 15,000 exposures.*



Hasselblad 201F shown with 80mm f/2.8 FE Lens, 120 Film Back and Waist-Level Finder

## FEATURES

- **Either focal plane shutter or lens shutter options gives the widest choice of lenses**
- **Optional motor for ultimate speed and professional efficiency**
- **Focal plane shutter maximum speeds from 1 to 1/1000 sec.**
- **Built-in self timer for critical exposures**
- **Dedicated TTL/OTF metering for simple/precise flash photography**
- **Shutter speed setting in half-stop increments**

201F Camera Body (Chrome) (10529)  
Complete with crank, waist-level finder, Acute-Matte focusing screen, front and rear protective covers and strap. Requires battery. Chrome trim.  
Item # HA201FC.....**3,492.00**

201F Camera Body (Black) (10532)  
Same as above with black trim.  
Item # HA201FB.....**3,492.00**

## 201F SPECIFICATIONS

### TYPE:

6 x 6cm format (2 1/4 x 2 1/4") shutter single lens reflex camera system with interchangeable lens, film back, finder and focusing screen

### LENS MOUNT:

Hasselblad bayonet mount

### FILM ADVANCE:

Film winding crank; one complete forward revolution; Optional motor drive for automatic handling

### VIEWFINDER:

Interchangeable viewfinder system

### FOCUSING SCREEN:

Interchangeable type; standard screen is Acute-Matte

### MIRROR LOCK-UP:

Possible with mirror release/self-timer button

### MULTIPLE EXPOSURE:

Possible by depressing double-exposure button in the center of the crank hub without removing back

### LENS DIAPHRAGM:

Fully automatic instant reopening diaphragm action; stops down to working aperture immediately prior to exposure; Depth-of-field preview.

### SHUTTER:

Electronically timed, horizontally running cloth focal plane type with speeds from 1 second to 1/1000 second +B. Self timer coupled to the mirror pre-release to lift the mirror before exposure and keep vibration and noise at a minimum.

### SELF TIMER:

2 or 10 seconds

### FILM SPEED SETTING:

16 to 1000 ISO

### FILM BACK:

Daylight loading interchangeable type; exclusive film backs for 120 (6x6cm), 120 horizontal (6x4.5cm), 220 roll films (6x6cm), 70mm double perforated film (6x6cm) and Polaroid pack film

### FILM:

120 roll film (12 exposures, 16 exposures horizontally); 220 roll film (24 exposures); 70mm double perforated film (70 exp.); Polaroid pack film

### FLASH

#### SYNCHRONIZATION:

X-sync up to 1/90 sec. with FE lenses; up to 1/500 sec. with C and CF lenses.

### FLASH:

TTL center weighted OTF system with dedicated electronic flash units with SCA390 or SCA590 adapter.

### BATTERY CHECK:

Battery check on shutter speed ring with battery LED signal in viewfinder.

### BATTERY:

Uses 6V PX-28 silver oxide, PX28L lithium, 4LR44 alkaline or equivalent 6V battery

### DIMENSIONS:

7.2 x 4.6 x 4.3" (180 x 117 x 110mm) L.W.H. - Body with waist-level finder, 80mm lens and A12 120 film back.

### WEIGHT:

3 lbs. 5 oz. (1650g) - Body with waist-level finder, 80mm lens and A12 120 film back

*Subject to change without notice*

# HASSELBLAD

## 203FE 6x6 SYSTEM

*The 203FE is a camera designed for the photographer who routinely works with unpredictable available light, ever-changing shooting conditions, and fast-moving or elusive subjects: the location specialist. From its precise metering, autoexposure and flash metering systems to its motor-driven auto-bracketing capabilities and super-fast shutter speeds, every feature is designed to make your shoot as productive as possible. The 203FE – engineered to take advantage of the extensive system of Hasselblad lenses and accessories.*



Hasselblad 203FE shown with 80mm f/2.8 FE lens, 120 Film Back, and Waist-Level Finder

MEDIUM FORMAT

39

### FEATURES

- Built-in self-timer for critical exposures
- Dedicated TTL/OTF flash metering
- One piece cast aluminum alloy shell body
- Five metering modes: automatic, program, auto bracketing differential and meter coupled manual mode
- Built-in automatic battery check
- Total information in viewfinder
- Choice of focal plane shutter or lens shutter gives you the widest possible lens selection

203 FE Camera Body (Chrome) (10561)  
Complete with crank, waist-level finder, Acute-Matte focusing screen, front and rear protective covers and strap. Requires battery. Chrome trim.  
Item # HA203FEC .....5,358.00

203 FE Camera Body (Black) (10574)  
Same as above with black trim.  
Item # HA203FEB.....5,358.00

### 203FE SPECIFICATIONS

Metering specifications on page 41

#### TYPE:

6 x 6cm format (2 1/4 x 2 1/4")  
focal plane shutter single lens reflex camera system with instant return mirror, interchangeable lens, film back, finder and focusing screen

#### LENS MOUNT:

Hasselblad bayonet mount with FE/TCC databus electronic connections

#### FILM ADVANCE:

Film winding crank; one complete forward revolution. Optional film winder for automatic handling with a maximum rate of 1.3 fps

#### VIEWFINDER:

Interchangeable total information finder system; Built-in 4.5x magnifier

#### FOCUSING SCREEN:

Interchangeable type; standard screen is Acute-Matte D 203

#### MIRROR LOCK-UP:

Possible with lock-up knob

#### MULTIPLE EXPOSURE:

Possible with multiple exposure button on winding crank

#### LENS DIAPHRAGM:

Fully automatic instant reopening diaphragm action; stops down to working aperture immediately prior to exposure; Depth-of-field preview.

#### SHUTTER:

Electronically timed, horizontally running cloth focal plane type with speeds from 34 minutes to 1/2000 second +B. Self Timer; coupled to the mirror pre-release to lift the mirror before exposure and keep vibration to a minimum

#### SELF TIMER:

2 seconds to 60 seconds

#### FILM SPEED SETTINGS:

12 to 6400 ISO using E backs, or Program mode in Body.

#### FILM BACK:

Daylight loading interchangeable type; exclusive E film backs for 120 & 220 roll films. All other Hasselblad backs can be used, but film speed must be set manually with standard backs.

#### FILM:

120 roll film (12 exposures, 16 exposures horizontally); 220 roll film (24 exposures); 70mm double perforated film (70 exp.); Polaroid pack film

#### FLASH

#### SYNCHRONIZATION:

X-sync up to 1/60 sec. with FE lenses; up to 1/250 sec. with Hasselblad C and CF lenses.

#### FLASH:

TTL center weighted OTF system with dedicated electronic flash units with SCA390 or SCA590 system adapter.

#### BATTERY CHECK:

Automatic with a battery symbol flashing on the viewfinder display when battery is weak.

#### BATTERY:

Uses 6V PX-28 silver oxide, PX28L lithium, 4LR44 alkaline or equivalent 6V battery

#### DIMENSIONS:

7 1/2 x 4 1/2 x 4 11/32" (185 x 117 x 110mm) L.W.H. - Body with waist-level finder, standard lens and E12 film back.

#### WEIGHT:

3 lbs. 7 oz. (1660g) - Body with waist-level finder, standard lens and E12 film back

Subject to change without notice



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

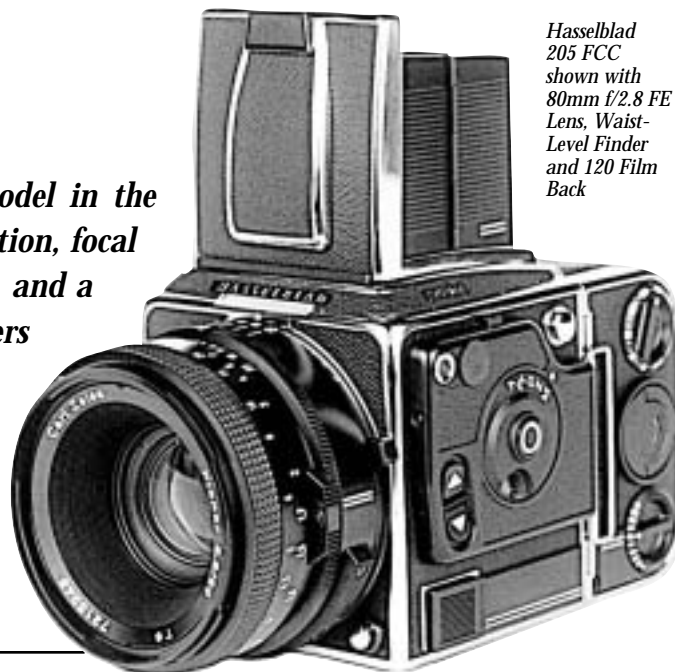
# HASSELBLAD

205 FCC 6 x 6 SYSTEM

MEDIUM FORMAT

40

*The Hasselblad 205FCC is the most advanced model in the Hasselblad system. It combines a traditional construction, focal plane shutter speeds of 34 minutes to 1/2000 seconds, and a precision spot metering system. The 205FCC offers Automatic, Differential, Zone System and Manual Exposure modes. Data concerning exposure and mode is conveniently presented as a LCD Display in the viewfinder. Accessories in the Hasselblad system can also be used with the 205FCC, but CF lenses will not allow full use of the camera's automatic functions.*



Hasselblad  
205 FCC  
shown with  
80mm f/2.8 FE  
Lens, Waist-  
Level Finder  
and 120 Film  
Back

## FEATURES

- Full control of the tone and contrast of the picture
- Built-in self-timer for critical exposures
- Dedicated TTL/OTF flash metering
- Five metering modes — auto, zone, program, differential and meter coupled manual mode
- Built-in automatic battery check
- Total information in viewfinder
- Choice of focal plane shutter or lens shutter gives you the widest lens selection

205 FCC Camera Body (Chrome) (10588)  
Complete with crank, waist-level finder, Acute-Matte D 205 focusing screen, front and rear protective covers and strap. Requires battery. Chrome trim.  
Item # HA205FCC.....6,991.00

## 205 FCC SPECIFICATIONS

Metering specifications on page 41

### TYPE:

6 x 6cm format (2 1/4 x 2 1/4")  
focal plane shutter single lens reflex camera system with instant return mirror, interchangeable lens, film back, finder and focusing screen

### LENS MOUNT:

Hasselblad bayonet mount with FE/TCC databus electronic connections

### FILM ADVANCE:

Film winding crank;  
Optional film winder for automatic handling with a maximum rate of 1.3 fps

### VIEWFINDER:

Interchangeable total information finder system;  
Built-in 4.5x magnifier

### FOCUSING SCREEN:

Interchangeable type;  
standard screen is Acute-Matte D 205

### MIRROR LOCK-UP:

Possible with lock-up knob

### MULTIPLE EXPOSURE:

Possible with multiple exposure button on winding crank

### LENS DIAPHRAGM:

Fully automatic instant reopening diaphragm action; stops down to working aperture immediately prior to exposure; Depth-of-field preview.

### SHUTTER:

Electronically timed, horizontally running cloth focal plane type with speeds from 34 minutes to 1/2000 second +B. Self Timer; coupled to the mirror pre-release to lift the mirror before exposure and keep vibration to a minimum

### SELF TIMER:

2 seconds to 60 seconds

### FILM SPEED SETTINGS:

12 to 6400 ISO

### FILM BACK:

Daylight loading interchangeable type; exclusive CC film back for 120 (6x6cm) roll films. Standard and E backs can be used, but film speed must be set manually with standard backs.

### FILM:

120 roll film (12 exposures, 16 exposures horizontally); perforated film (70 exp.); Polaroid pack film; 220 roll film (24 exposures) using E backs.

### FLASH

#### SYNCHRONIZATION:

X-sync up to 1/60 sec. with FE lenses; up to 1/250 sec. with Hasselblad C and CF lenses.

### FLASH:

TTL center weighted OTF system with dedicated electronic flash units with SCA390 or SCA590 system adapter.

### BATTERY CHECK:

Automatic with a battery symbol flashing on the viewfinder display when battery is weak

### BATTERY:

Uses 6V PX-28 silver oxide, PX28L lithium, 4LR44 alkaline or equivalent 6V battery

### DIMENSIONS:

7 3/32 x 4 13/32 x 4 11/32" (185 x 117 x 110mm) L.W.H. - Body with waist-level finder, standard lens and E12CC film back

### WEIGHT:

3 lbs. 7 oz. (1660g) - Body with waist-level finder, standard lens and E12CC film back

Subject to change without notice

14-Day Customer Satisfaction Guarantee



# HASSELBLAD

## FLEXBODY CP 6x6 SYSTEM

A versatile addition to the Hasselblad system, the FlexBody gives the photographer more control over depth-of-field and image shape. With a tiltable and shiftable back, the FlexBody has applications in product, nature, architecture, digital and special effects photography. FlexBody is designed to use existing Hasselblad lenses, film backs, and viewfinders.

Its tiltable back makes use of the Scheimpflug principle to increase depth-of-field, while the shift mechanism in the back is used to correct converging and diverging vertical lines. Most parts on the FlexBody are made of duraluminum, which is both lightweight and durable, while the bellows is made of a pliable synthetic material. And because it is so compact, the FlexBody is lighter and easier to take on location than a view camera.



Hasselblad  
FlexBody  
CP  
(72109)

MEDIUM FORMAT

41

### FEATURES

- Focusing accomplished by using the focusing ring on lens
- Depth of field controlled by tilting back
- Accepts all Hasselblad roll film backs
- Accepts Hasselblad CF or C lenses
- Accepts Hasselblad viewfinders
- Built-in spirit level

FlexBody CP (72109)  
Complete with focusing screen adapter, stray light protection slide, 10° and 20° correction screens, cable release, 4x5cm format mask, front and rear protective covers, and a carrying pouch.  
Item # HAF .....2,295.00

### FLEXBODY CP SPECIFICATIONS

#### TYPE:

6x6 format (2 1/4 x 2 1/4")  
technical with  
interchangeable lens  
tiltable and shiftable back

#### DESIGN:

Mechanical with controls for  
tilt, shift and lens extension  
Back tilt: 30° vertical  
Back shift: 15mm vertical

#### LENS MOUNT:

Hasselblad bayonet mount

#### FILM ADVANCE:

Manual advance with  
winding crank

#### VIEWFINDER:

Hasselblad viewfinders  
can be used

#### FOCUSING SCREEN:

Super bright acute matte

#### MULTIPLE EXPOSURE:

Possible with removal  
of film back,  
crank advancement and  
replacement of back

#### SHUTTER:

Mechanical leaf type in lens  
with speeds from 1 second  
to 1/500 +B

#### CAMERA BACK:

Daylight loading  
interchangeable type;  
standard film backs for  
120 (6x6cm);  
120 horizontal (6x4.5cm);  
220 roll films (6x6cm);  
70mm double perforated  
film; Polaroid pack film

#### FILM:

120 roll film (12 exposures),  
16 exposures horizontally  
220 roll film (24 exposures)  
70mm double perforated  
film (70 exp.);  
Polaroid pack film

#### FLASH

#### SYNCHRONIZATION:

X-sync  
(all speeds to 1/500 sec.)

#### MAXIMUM (BELLOWS) EXTENSION:

24mm

#### DIMENSIONS:

5.5 x 5.5 x 4.3"  
(140 x 140 x 110mm) W.H.L.

#### WEIGHT:

1.5 lbs. (700g)

Subject to change without notice



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# HASSELBLAD

## ARC BODY 6x6 SYSTEM

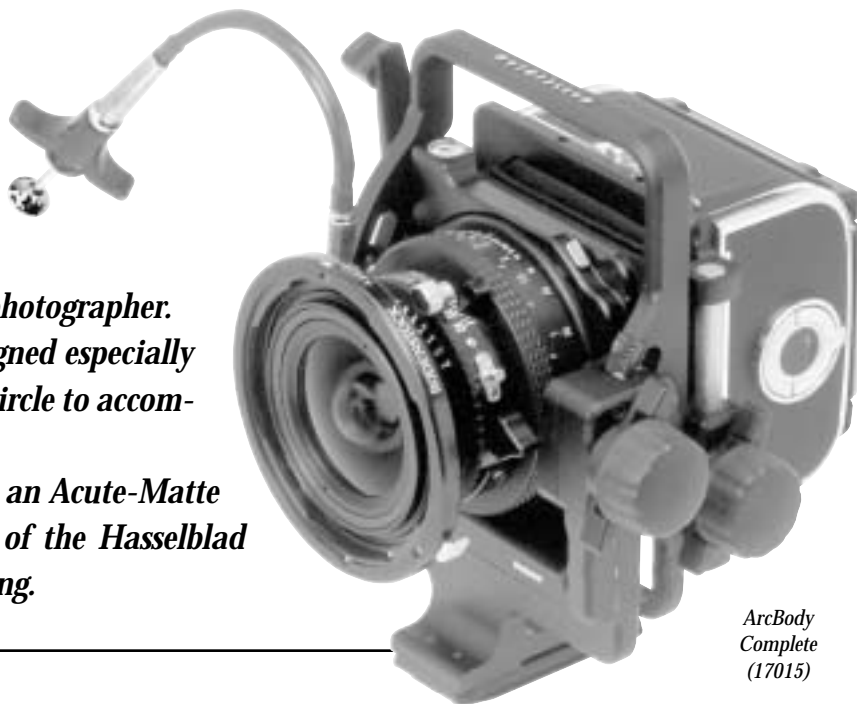
MEDIUM FORMAT

42

*The ArcBody incorporates many of the features of a large format camera. With its 28mm front shift and rear tilt of  $\pm 15^\circ$ , the ArcBody is the ideal tool for the architectural, industrial and commercial photographer.*

*Three Rodenstock lenses have been designed especially for the ArcBody. They have a large image circle to accommodate the shift and tilt capabilities.*

*Its focusing screen adapter is fitted with an Acute-Matte D screen with grid and split image. Any of the Hasselblad viewfinders can be used to facilitate focusing.*



ArcBody Complete (17015)

### FEATURES

- 28mm front shift,  $\pm 15^\circ$  rear tilt
- Super bright focusing screen
- Accepts 3 specially designed Rodenstock lenses
- Ideal for architectural and interior photographers
- Built-in spirit levels
- Accepts all Hasselblad backs and viewfinders
- Compact, easy to use

### ArcBody Complete (17015)

Complete with focusing screen adapter, Correction slides (small, medium, large), cable release, filter holder, center filter holder, lens shade 35/45, stray light mask, rear cover MultiControl, front cover and carrying case.

Item # HAA .....2,669.00

### ArcBody Kit (17511)

ArcBody Complete with a Rodenstock 45mm f/4.5 APO Grandagon lens, Center filter, and RMfx Reflex Viewfinder.

Item # HAAK .....4,871.00

## ARC BODY SPECIFICATIONS

### TYPE:

6x6 format (2 1/4 x 2 1/4") technical with interchangeable lens, film back, finder, tiltable back and shiftable front

### DESIGN:

Mechanical with controls for tilt and shift  
Back tilt:  $\pm 15^\circ$   
Front shift: 28mm

### LENS MOUNT:

Exclusive Hasselblad ArcBody mount

### FILM ADVANCE:

Manual advance with winding crank

### VIEWFINDER:

Hasselblad viewfinders can be used

### FOCUSING SCREEN:

Focusing screen adapter fitted with an Acute-Mate D screen with grid and split-image rangefinder

### MULTIPLE EXPOSURE:

Possible with removal of film back, crank advancement and replacement of back

### SHUTTER:

Mechanical leaf type in lens with speeds from 1 second to 1/500 +B and T. Must be cocked after each exposure

### FILM BACK:

Daylight loading interchangeable type; exclusive film backs for 120 (6x6cm), 120 horizontal (6x4.5cm), 220 roll films (6x6cm), 70mm double perforated film (6x6cm) and PolaBasic pack film

### FILM:

120 roll film (12 exposures), 16 exposures horizontally 220 roll film (24 exposures) 70mm double perforated film (70 exp.); PolaBasic pack film

### FLASH

### SYNCHRONIZATION:

X-sync  
(all speeds to 1/500 sec.)

### FLASH:

Via PC socket on each lens

### DIMENSIONS:

5.7 x 6.3 x 4.2"  
(145 x 160 x 105mm) W.H.L.

### WEIGHT:

1.2 lbs. (550g)

*Subject to change without notice*

**All items are complete with all accessories as supplied by the manufacturer**

## 203 FE and 205 FCC METERING SYSTEMS

	203 FE	205 FCC		203 FE	205 FCC
METER	TTL full aperture AE center-weighted 20%	TTL full aperture 1% spot	COMPEN.	±5 in 1/3 increments	±5 in 1/4 increments
RANGE	EV 0.5 ~ EV 21.5	EV 1 ~ EV20	CUSTOM FUNCTIONS	in P: change ISO, in D: change latitude, change self-timer, +1 to -3 stops flash compensation, Auto bracket options	in P: change ISO, change latitude, change self-timer, fixed exp. corrections set vary longest speeds; charge dev. comp with CC film back
MODES	Aperture Priority AE Differential Auto Bracketing in 1/3, 2/3 or full stops with winder Manual TTL Flash AE Programming	Aperture Priority AE Differential AE Zone AE Auto Bracketing in 1/4, 1/2, 3/4 or full stops with winder Manual, TTL Flash AE, Programming	SHUTTER	34 min. (90 sec. in Auto) ~ 1/2000 in, 1/12 EV increments in Auto mode	34 min. ~ 1/2000 in 1/12 increments in Auto mode



### ZEISS LENSES

Designed for optimum performance, all Hasselblad lenses are quality controlled. The CF lenses have improved ergonomics and a modern design. All Hasselblad lenses are made exclusively by Carl Zeiss with the exception of the zoom lens, which is made by Schneider.

*These lenses are for use with all 500 Series and FlexBody CP cameras. They may also be used on the 201F, 203FE and 205FCC for flash sync up to 1/50 speed. With the 203FE and 205FCC, the lens must be stopped down to get an accurate meter reading. For FE lenses, made specifically for 201F, 203FE, and 205FCC use, see the listings following the CF lenses.*

#### Wide Angle

**30mm f/3.5 CF Distagon T\* Fisheye** (20177)  
(With case, 50636 yellow, 50644 orange, 50652 conversion and 50660 neutral ø26 filters.) A full frame 180° fisheye lens covering the entire format, with no visible light or quality fall-off.  
**Item # HA3035CF.....5,797.00**



30mm f/3.5 Distagon T\*  
Fisheye Lens (20177)

**40mm f/4 CF Distagon FLE T\*** (20037)  
(With ø 93 shade.) The Floating Lens Element (FLE) design enhances image quality at close range. The floating front elements are moved by a secondary focusing ring. This lens is comparable to the 38mm Biogon lens on the 903 SWC.  
**Item # HA404CF.....3,995.00**

**50mm f/4 CF Distagon FLE T\*** (20046)  
An "all-around" wide-angle lens. The floating lens element design ensures good image quality right down to close-up shots. The 50mm Distagon has a remarkably good correction of all image aberrations.  
**Item # HA504CF.....2,696.00**

**60mm f/3.5 CB Distagon** (20208)  
Compact, wide-angle lens. Ideal for group portraits, interiors, advertising, and industrial use.  
**Item # HA6035CB.....2,037.00**

#### Standard

**80mm f/2.8 CF Planar T\*** (20029)  
**Item # HA8028CF.....1,719.00**

**100mm f/3.5 CF Planar T\*** (20126)  
Excellent as a standard lens as well as a short telephoto in all applications where very high image quality is required.  
**Item # HA10035CF.....2,475.00**

#### Macro

**120mm f/4 CF Macro Planar T\*** (20053)  
Portrait lens as well as macro lens. Possesses an optimum image correction at close range.  
**Item # HA1204MCF....2,774.00**

**135mm f/5.6 CF Macro-Planar T\*** (20118)  
A special purpose lens used in conjunction with auto bellows or a variable extension tube. When used with the bellows, the focusing range of the lens is continuous from infinity down to 1:1 lifesize magnification.  
**Item # HA13556MCF.2,453.00**

#### Telephoto

**150mm f/4 CF Sonnar T\*** (20061)  
**Item # HA1504CF.....2,756.00**

**160mm f/4.8 CB Tessar** (20068)  
**Item # HA16048CB....2,343.00**

**180mm f/4 CF Sonnar T\*** (20072)  
**Item # HA1804CF.....2,995.00**

**250mm f/5.6 CF Sonnar T\*** (20080)  
**Item # HA25056CF.....3,107.00**

**250mm f/5.6 CF Sonnar Super Achromat** (20193)  
Special purpose lens gives perfect chromatic correction without sacrificing correction for distortion or other aberrations.  
**Item # HA25056SACF...5,024.00**

**350mm f/5.6 CFE Super Achromat** (20186)  
High performance lens. Great for sports, wildlife and fashion. Slides directly onto Tripod Quick Coupler S.  
**Item # HA35056CFE...6,991.00**

**500mm f/8 CF Tele-Apotessar T\*** (20088)  
(With case and ø 93 shade.)  
**Item # HA5008CF.....5,673.00**

#### Schneider Zoom

**140-280mm f/5.6 CF Variogon Zoom** (20215)  
(With case and shade.)  
**Item # HA14028056CF.....6,428.00**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



# HASSELBLAD

## SYSTEM

350mm  
f/5.6  
CFE  
Super  
Achromat  
(20186)



MEDIUM FORMAT

44



### ZEISS CF LENSES, *continued*

#### Tele-Converters

For all Hasselblad cameras including the 201F, 203FE and 205 FCC.

**PC Mutar 1.4x Shift-Converter T\*** (20311)  
Allows adjustment of the vertical perspective  $\pm 8$ -16mm. Placed between the camera and a lens between 40 and 100mm, the focal length becomes 1.4x larger, with a loss of 1 f/stop. Includes a double cable release which synchronizes triggering of the camera and lens.  
**Item # HA1.4X.....3,395.00**

**1.4XE Tele-Converter** (20608)  
Extends the focal length of the lens 1.4x and reduces the aperture one f/stop. When used with FE or TCC lens on the 203 or 205, it transmits lens data to the metering system.  
**Item # HA1.4XE.....1,055.00**

**APO 1.4XE Tele-Converter** (20613)  
Increases the focal length of the lens it is combined with by 40%, reducing the aperture by one f/stop. It is optimized for the 350mm CFE lens, but can also work with the other 350mm lenses, the 250mm CF, and 500mm lenses.  
**Item # HA1.4XE.....1,161.00**

**2XE Tele-Converter** (20605)  
Doubles the focal length of the lens and reduces the aperture two f/stops. Precise TTL metering with the lens aperture wide open is possible with the 205 and 203 or other models equipped with a meter prism.  
**Item # HA2XE.....1,278.00**



### ZEISS FE (TCC) LENSES

The interactive electronics in the FE lenses connect automatically to the 203FE and 205FCC's metering system. These lenses are intended for the 201F, 203FE and 205FCC, and older 2000 series models, which have a built-in focal plane shutter. The earlier series of F lenses which are optically and mechanically identical to the FE lenses, but have no electronics for the metering systems, can be used on the 201F, 203FE and 205FCC.

#### Wide Angle

**50mm f/2.8 Distagon FE T\* (FLE)** (20516)  
With  $\phi$  93 shade. Has floating front elements (FLE) that move independently from the other five elements, which improves the quality in close-ups and makes it possible to reduce the shortest focusing distance.  
**Item # HA5028FE.....3,778.00**

#### Standard

**80mm f/2.8 Planar FE T\*** (20508)  
**Item # HA8028FE.....1,856.00**

#### Telephoto

**110mm f/2 Planar FE T\*** (20524)  
**Item # HA1102FE.....3,731.00**

**150mm f/2.8 Sonnar FE T\*** (20532)  
**Item # HA15028FE.....3,265.00**

**250mm f/4 Tele-Tessar FE T\*** (20540)  
**Item # HA2504FE.....3,498.00**

**350mm f/4 Tele-Tessar FE T\*** (20559)  
With case and  $\phi$  93 shade.  
**Item # HA3504FE.....7,882.00**

### SPECIFICATIONS OF HASSELBLAD CF and CB LENSES

Lens	30mm Distagon	40mm Distagon FLE	50mm Distagon FLE	60mm Distagon	80mm Planar	100mm Planar	120mm Macro Planar
Aperture Range f.	3.5-22	4-22	4-32	3.5-22	2.8-22	3.5-22	4-32
Angle of View	180°	88°	75°	66°	52°	42°	37°
Lens Construction	8E	11E	9E	7E	7E	5E	6E
Minimum Focusing	12" (.3m)	19" (.5m)	19" (.5m)	2' (.6m)	3' (.9m)	3' (.9m)	2.6' (.8m)
Weight	3 lb. 14 oz. (1365g)	2 lb. (915g)	1 lb. 12 oz. (800g)	1 lb. 8 oz. (680g)	1 lb. 2 oz. (510g)	1 lb. 5 oz. (605g)	1 lb. 8 oz. (695g)
Length	4 7/8" (117mm)	4" (102mm)	3 7/8" (95mm)	3 7/8" (83mm)	2 7/8" (65mm)	2 7/8" (75mm)	3 7/8" (99mm)
Equivalent Length in 35mm Format	16mm	26mm	33mm	39mm	52mm	65mm	78mm
Filter Size	$\phi$ 26	$\phi$ 93	$\phi$ 60	$\phi$ 60	$\phi$ 60	$\phi$ 60	$\phi$ 60

*Subject to change without notice*

### SPECIFICATIONS OF HASSELBLAD CF LENSES

Lens	135mm Macro Planar	150mm Sonnar	160mm Tessar	180mm Sonnar	250mm Sonnar	250mm Super Achromat
Aperture Range f.	5.6-45	4-32	4.8-32	4-32	5.6-45	5.6-45
Angle of View	32°	30°	27°	24°	17°	17°
Lens Construction	7E	5E	4E	5E	6E	4E
Minimum Focusing	—	4.5' (1.4m)	5' (1.5m)	5' (1.5m)	8.5' (2.5m)	10' (3m)
Weight	1 lb. 6 oz. (625g)	1 lb. 12 oz. (785g)	1 lb. 7 oz. (650g)	2 lb. 5 oz. (1075g)	2 lb. 3 oz. (1000g)	2 lb. 2 oz. (985g)
Length	3 7/8" (87mm)	4" (101mm)	4 7/8" (109mm)	5 7/8" (128mm)	6 7/8" (164mm)	6" (158mm)
Equivalent Focal Length in 35mm Format	88mm	100mm	110mm	125mm	163mm	163mm
Filter Size	$\phi$ 60	$\phi$ 60	$\phi$ 60	$\phi$ 60	$\phi$ 60	$\phi$ 60

*Subject to change without notice*

We are on the web at: <http://www.bhphotovideo.com>

## SPECIFICATIONS OF HASSELBLAD CF LENSES

Lens	350mm Super Achromat	500mm Tele-APO	140-28mm Variogon	1.4x Mutar	1.4XE Tele-Converter	APO 1.4XE Tele-Converter	2XE Tele-Converter
Aperture Range f.	5.6-45	8-64	5.6-45	Reduces lens 1 f stop	Reduces lens 1 f stop	Reduces lens 1 f stop	Reduces lens 2 f stops
Angle of View	13°	9°	16-30°	—	—	—	—
Lens Construction	9E	5E	17E	5E	5E	5E	7E
Minimum Focusing	12.25' (3.75m)	16.5' (5m)	8.25' (2.5m) + Macro	Same as lens used	Same as lens used	Same as lens used	Same as lens used
Weight	(1800g)	4 lb. (1810g)	4 lb. 1 oz. (1850g)	1 lb. 1 oz. (480g)	15 oz. (430g)	15 oz. (430g)	12½ oz. (350g)
Length	9¼" (234mm)	12¾" (329mm)	9¾" (240mm)	1½" (39mm)	4" (100mm)	4" (100mm)	2¾" (70mm)
Equivalent Focal Length in 35mm Format	229mm	327mm	90-180mm	1.4x lens used	1.4x lens used	1.4x lens used	Double lens used
Filter Size	Ø 93	Ø 93	Ø 93	—	—	—	—

*Subject to change without notice*

## SPECIFICATIONS OF ZEISS FE LENSES

Lens	50mm FE Distagon FLE	80mm FE Planar	110mm FE Planar	150mm FE Sonnar	250mm FE Tele-Tessar	350mm FE Tele-Tessar
Aperture Range f.	2.8-22	2.8-22	2-16	2.8-22	4-32	4-32
Angle of View	75°	52°	39°	29°	18°	13°
Lens Construction	9E, 1 floating	7E	7E	5E	5E	8E
Minimum Focusing	12.6" (.32m)	23.6" (.6m)	2.5' (.8m)	4.5' (1.4m)	8.2' (2.5m)	6.2' (1.9m)
Weight	2 lb. 12 oz. (1240g)	16 oz. (430g)	1 lb. 11 oz. (760g)	1 lb. 9 oz. (710g)	2 lb. (920g)	4 lb. 6 oz. (2000g)
Length	4¼" (112mm)	2½" (64mm)	3¾" (87mm)	3¾" (87mm)	6¾" (157mm)	10¾" (262mm)
Equivalent Length in 35mm Format	33mm	52mm	72mm	100mm	163mm	229mm
Filter Size	Ø 93	Ø 60	Ø 70	Ø 70	Ø 70	Ø 93

*Subject to change without notice*



## FILM BACKS

These film backs can be switched without losing a single frame. Fool-proof operation with a built-in system of indicators and safety features. A built-in dark slide holder keeps the slide conveniently out of the way.

*The following film backs are for use with the 501CM, 503CW, 553ELX, 903SWC, 201F, Flexbody CP, ArcBody, and all older models. They may also be used on the 203FE and 205FCC, but the film speed must be set manually. For 203FE and 205FCC film backs, see the listings following this Film Backs section.*

**120 Film Back A12 with Insert** (30212)  
6x6cm. 12 exp. Chrome trim.  
**Item # HAA12C .....695.00**

**120 Film Back A12 with Insert** (30213)  
6x6cm. 12 exp. Black trim.  
**Item # HAA12B .....695.00**

**220 Film Back A24 with Insert** (30224)  
6x6cm. 24 exp. Chrome trim.  
**Item # HAA24C .....795.00**

**220 Film Back A24 with Insert** (30225)  
6x6cm. 24 exp. Black trim.  
**Item # HAA24B .....795.00**

**120 Film Back A16 with Insert** (30216)  
16 exp. 6x4.5 horizontal format. Comes with mask. Chrome trim.  
**Item # HAA16C .....795.00**

**120 Film Back A16 with Insert** (30217)  
16 exp. 6x4.5 horizontal format. Comes with mask. Black trim.  
**Item # HAA16B .....795.00**

**220 Film Back A32 with Insert** (30232)  
32 exp. 6x4.5 horizontal format. Comes with mask. Chrome trim.  
**Item # HAA32C .....917.00**

**220 Film Back A32 with Insert** (30233)  
32 exp. 6x4.5 horizontal format. Comes with mask. Black trim.  
**Item # HAA32B .....917.00**

**Film Back 70 with Insert and Cassette** (30066)  
15 ft. of double perforated 70mm film. 70 exposures. Chrome trim.  
**Item # HAFB70C .....1,183.00**

**Film Back 70 with Insert and Cassette** (30139)  
15 ft. of double perforated 70mm film providing 70 exposures. Black trim.  
**Item # HAFB70B .....1,183.00**

**Extra Film Cassette** (51039)  
For film back 70. (Replacement)  
**Item # HAFCFB70 .....38.95**

**PolaBasic Film Back** (30205)  
Provides 6 x 6cm instant pictures. Uses 3¼ x 4¼" pack film. Can not be used with the PM-90 and PME-90 finders.  
**Item # HAFBP .....397.00**

**Dark Slide** (41068)  
For all film backs. (Replacement)  
**Item # HADS .....14.95**

**Dark Slide** (41122)  
For Polaroid Film Back. (Replacement)  
**Item # HADSPB .....19.95**

**Film Back Mask Set** (41151)  
Consists of a 6x4.5, Panoramic and two VF masks for the 501C and 503CW cameras. For A12, A24, A16 and 70mm backs.  
**Item # HAMS501C .....23.50**

**6x4.5 Film Back Mask** (85400) (Pro+ Systems) For A12, A24 & 70mm backs.  
**Item # HAM645 .....49.95**

**Panoramic Mask** (85408) (Pro+ Systems) 1:2 Ratio. For A12, A16, A24 & 70mm backs.  
**Item # HAMP .....49.95**



## CC FILM BACKS

CC film backs are specially designed for the 205FCC camera. They provide control dials for pre-setting of film-speed and contrast correction through compensating development of the film.

*For dark slides and Polaroid backs, see the regular film back section (above).*

**120 Film Back E 12 CC with Insert** (30368)  
12 exposures. Chrome trim.  
**Item # HAE12CCC .....1,129.95**

**120 Film Back E 12 CC with Insert** (30376)  
12 exposures. Black trim.  
**Item # HAE12CCB .....1,129.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# H A S S E L B L A D

## S Y S T E M

MEDIUM FORMAT

46



### E FILM BACKS

Developed to complement the 203FE and 205FCC's electronic capabilities, the E Series backs allow you to pre-program them with ISO settings. That way, the camera's metering and auto exposure systems automatically calibrate to whatever film speed is set on each film back.

**120 Film Back E12 with Insert (30244)**  
6x6cm. 12 exposures. Chrome trim.  
**Item # HAE12C.....974.00**

**120 Film Back E12 with Insert (30248)**  
6x6cm. 12 exposures. Black trim.  
**Item # HAE12B.....974.00**



120 Film Back E12 (30244)

The E-Series backs also feature a handy, built-in dark slide holder that keeps the slide conveniently out of the way.

*For dark slides and Polaroid backs see the regular film back section (previous page).*

**120 Film Back E16 with Insert (30252)**  
6x4.5cm. horizontal format. 16 exposures. Chrome trim.  
**Item # HAE16C.....1,020.00**

**120 Film Back E16 with Insert (30256)**  
6x4.5cm. horizontal format. 16 exposures. Black trim.  
**Item # HAE16B.....1,020.00**

**220 Film Back E24 with Insert (30260)**  
6x6cm. 24 exposures. Chrome trim.  
**Item # HAE24C.....1,009.00**

**220 Film Back E24 with Insert (30267)**  
6x6cm. 24 exposures. Black trim.  
**Item # HAE24B.....1,009.00**



### VIEWFINDERS

Developed to cover the needs of photographers working under widely varying conditions. These viewfinders can be used with all Hasselblad cameras with the exception of the RM-2, which will not work with the 203FE or 205FCC, and the RMfx, which works only with the FlexBody and the 903SWC.

**Waist Level Finder (42315)**  
With 42331 4.5x magnifier. Chrome trim. Standard with chrome trim cameras.  
**Item # HAFWLC.....240.00**

**Waist Level Finder (42323)**  
With 42331 4.5x magnifier. Black trim. Standard with black trim cameras.  
**Item # HAFWLB.....240.00**

**Waist Level Finder E (42317)**  
Standard with chrome trim FE and FCC camera. With 42374 4.5x magnifier for better vision of the LCD. Chrome trim.  
**Item # HAFWLCTCC.....236.50**

**Waist Level Finder E (42325)**  
Standard with black trim FE and FCC camera. With 42374 4.5x magnifier for better vision of the LCD. Black trim.  
**Item # HAFWLBTCC.....236.50**

**Magnifying Hood HM2 (72524)**  
With eyecup. Chest-level hood with extra-large eyepiece gives full view of the focusing screen, even with glasses. Enlarges the focusing screen image 3.3 times. (Without diopter adjustment.)  
**Item # HAMH2.....225.00**

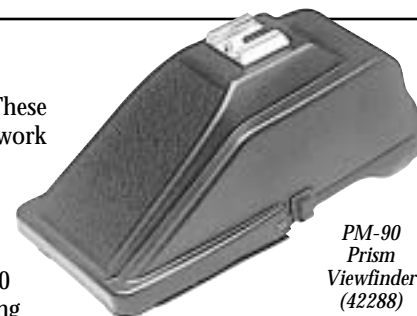
**Magnifying Hood (52096)**  
With eyecup. A chest-level focusing hood that blocks extraneous light and enlarges the focusing screen image 3 times. Adjustable from +3.5 to -2.5 diopters to suit individual eyesight requirements.  
**Item # HAMH.....430.00**

**Prism Viewfinder PM-90 (42288)**  
With protective cap. 90° low profile prism finder. Designed to view unreversed images with 2x magnification at eye-level. Especially helpful when taking vertical 6 x 4.5cm shots. It comes with a high eyepoint eyepiece which allows viewing with glasses. Cannot be used with the 70 or Polaroid backs.  
**Item # HAPM90.....635.00**

**Prism Viewfinder PM-5 (42308)**  
With eyecup and protective cap. Yields an unreversed image three times larger than the focusing screen image. The sighting angle is 45°. Can be fitted with correction lenses for compensation of faulty vision.  
**Item # HAPM5.....995.00**

**Meter Prism Viewfinder PME-90 (42290)**  
Same features as the PM-90 plus three different metering methods (spot, center-weighted integral, or incident light metering via a dome sensor of the viewfinder), a choice of shutter or aperture priority, reference metering and a wide range of presetting possibilities. The display beneath the viewfinder image provides full information on readings, preset values and functions.  
**Item # HAPME90.....1,193.00**

**Meter Prism Viewfinder PME-51 (42296)**  
With light meter, eyecup and protective cap. A 45° unreversed viewfinder, the PME-51 features center-weighted metering. Values are indicated by red diodes on an EV scale 2-19. Meter automatically shuts off after approximately 10 seconds. Battery compartment is insulated so that the battery lasts longer in cold weather. (Requires PX-28 type battery.)  
**Item # HAPME51.....1,471.00**



PM-90 Prism Viewfinder (42288)

**Prism Viewfinder RM-2 (52183)**  
With protective cap. Developed to be used with film back 70 and data recording backs. Yields 3x magnified unreversed image. The sighting angle is 90°. Can also be used with any back. (Not for use with 205FCC.)  
**Item # HARM2.....1,264.00**

**Prism Viewfinder RMfx (72530)**  
With protective cap. Developed for the FlexBody and the 903SWC, the RMfx yields a 3.3x magnified image that is vertically correct. The viewing angle is 10°. Requires Focusing Screen Adapter.  
**Item # HARMFX.....242.00**

**Viewfinder SWC (52036)**  
For SWC cameras. An optical viewfinder with built-in spirit level. The finder shows 2 1/4 x 2 1/4 and 1 1/2 x 1 1/2" film formats. Replacement.  
**Item # HAF903SWC.....802.00**

Corporate Accounts Are Welcome



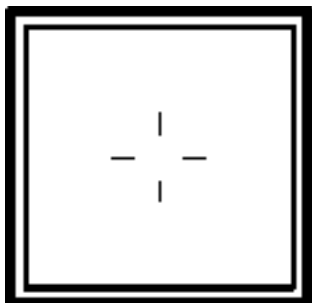


## FOCUSING SCREEN

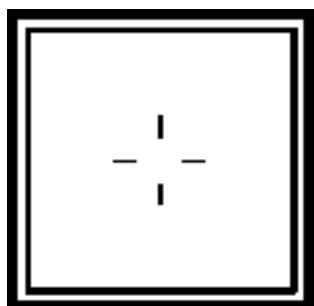
The following focusing screens are for use with the 501C, 503CW, 553ELX, 903SWC, 201F, Flexbody CP, and older models. The Acute-Matte D 205 (42213) and the Acute-Matte D (42204) include the 6mm spot corresponding to the FCC's metering system. The Acute-Matte D 203 (42210) which is supplied with the 203FE has a 20% spot corresponding to the 203FE's center-weighted metering system.



Plain Glass (42200)



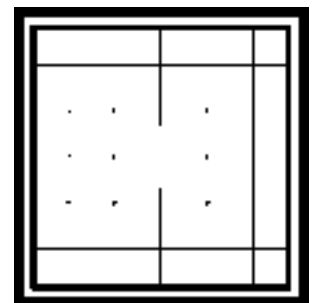
Acute Matte D (42204)



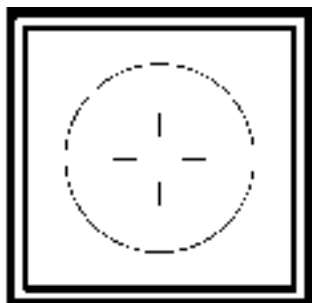
Acute Matte D PME-90 (42207)



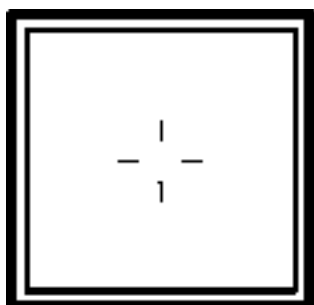
Acute Matte D  
Microprism Split-Image (42215)



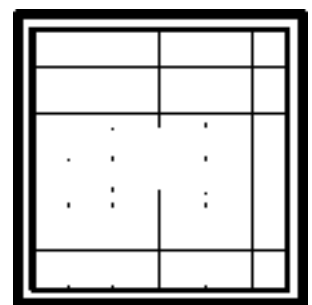
Checked Line Acute Matte Split  
(42217)



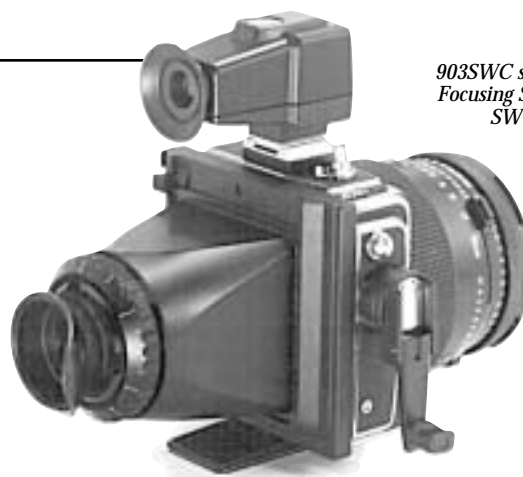
Acute Matte D 203 (42210)



Acute Matte D 205 (42213)



Acute Matte D 203 with Grid and  
Split-Image Rangefinder (42219)



903SWC shown with the  
Focusing Screen Adapter  
SWC (41050) and  
Magnifying  
Hood  
(52096)

### Plain Glass Screen (42200)

A bright focusing screen, consisting of plain glass with a reference cross and a Fresnel lens with 8 lines per mm spacing. Especially good for micrography and macro work.

Item # HAFSPG .....154.50

### Acute Matte D (42204)

Combines extreme brightness with excellent focusing characteristics. The Fresnel lines are cut with such high precision, that the rings cannot be seen through the viewfinder. There is a reference cross in the middle of the screen.

Item # HAFSAMD .....239.00

### Acute Matte D PME-90 (42207)

Plain glass screen. For use with the Meter Prism Viewfinder PME-90. Enables spot-metering mode to be used.

Item # HAFSAMDPM90 ..230.00

### Acute Matte D

#### Microprism Split-Image (42215)

Central grid and a split-image rangefinder, 5mm in diameter, in the center. Features an additional engraved circle which corresponds to the light metering zone of the 203FE and 205FCC.

Item # HAFSAMDMPSL..287.00

### Checked Line

#### Acute Matte D Split (42217)

Exceptionally bright and sharp. Available with a central split image rangefinder of 6mm diameter and grid lines to help in accurate alignment of verticals and horizontals in a picture. The grid lines also show 6 x 4.5 format.

Item # HAFSAMD SIG...287.00

### Acute Matte D 203 (42210)

A bright focusing screen for the 203FE that provides excellent focusing. A 20% spot corresponds to the center weighted metering system.

(Replacement.)  
Item # HAFSAMD203...239.00

### Acute Matte D 205 (42213)

Combines extreme brightness with excellent focusing for the 205FCC. A 6mm diameter ring corresponds to the metering zone for the camera's spot metering system.

(Replacement.)  
Item # HAFSAMD205...239.00

### Acute Matte D 203 with Grid and

#### Split-Image Rangefinder (42219)

With a 28mm ring corresponding to the metering zone of the 203FE and a 6mm split-image rangefinder corresponding to the spot-metering zone of the 205FCC. (Replacement.)

Item # HAFSAMD SI203 ..239.00

### Focusing Screen

#### Adapter SWC (41050)

For the 903SWC. Grid lines with central image split. Attaches like a film back. Blocks light by use of magnifying hood, waist level, prism or reflex finders. Can also be used on all Hasselblad cameras.

Item # HAFSASWC .....302.00

### Focusing Screen

#### Adapter Standard (41057)

For the FlexBody and all Hasselblad reflex camera bodies. A built-in spirit-level facilitates horizontal positioning. Features a fixed Acute Matte D focusing screen with a grid and split-image rangefinder.

Item # HAFSA.....236.50

# H A S S E L B L A D

## S Y S T E M

MEDIUM FORMAT

48



### BODY ACCESSORIES

#### Spirit Level (43117)

Attached to the accessory rail on the left side of the camera. The spirit level is particularly useful in wide-angle photography. Can be used with all 500 series cameras.

**Item # HASL.....62.95**

#### Motor Winder (44069)

For 205FCC, 201F, and 203FE. Separate motorized unit that replaces the winding crank. It enables sequence exposures to be shot at speeds of up to 1.3 fps. It ensures rapid, distinct starts, smooth film advance and shutter cocking. Up to 3,000 exposures with 5 AA alkaline batteries, or 1,000 exposures when using 5 rechargeable NiCad or metal-hydrate accumulators. May be used with limitation on the 2003 FCW and 2000 FCW.

**Item # HAW2000FCW..944.00**

#### Winder CW (44105)

For the the 503CXi and 503CW. With IR Remote Control (44113) for wireless operation. Ergonomic design provides a comfortable grip which facilitates hand-held photography in all positions. Can be set to single exposure, continuous exposure, multiple exposure, infrared remote control and lock/off. The self adjusting interface senses whether the camera is wound, then adjusts itself to minimize wear and tear.

**Item # HAWCW.....949.00**

Motor Winder (44069)



#### Wrist Strap (44118)

For Winder CW (44105).

**Item # HASWCW.....T.B.A.**

#### IR Remote Control (44113)

(Replacement.)

**Item # HARCWCW.....T.B.A.**

#### Rapid Wind Crank 1 (44040)

Interchangeable winding crank for manual shutter cocking and film advance. For 503CX, 500 C/M, 500C and 501C.

(Replacement.)

**Item # HAWC1.....69.95**

#### Rapid Wind Crank E (44083)

Same as above, for 503CXi, 503CW, 201F, 203FE and 205FCC. (Replacement.)

**Item # HAWC205TCC....69.95**

#### Tripod Quick Coupling S (45144)

With built-in spirit-level. Used on a tripod to facilitate quick attachment and removal of camera. Can be attached to a tripod with either a 3/8" or 1/4" thread.

**Item # HATQCS.....129.95**

#### Quick Coupling Plate (45148)

For adapting earlier Hasselblad camera models to the Tripod Quick Coupling S.

**Item # HAQRPU.....129.95**

#### Camera Adapter (85360)

(Pro+ Systems). For mounting non-Hasselblad cameras to Quick-Coupler (45130).

**Item # HACA.....39.95**

#### Bracket Adapter (85352)

For mounting Flashgun brackets to Tripod Quick-Coupling.

**Item # HABAQ.....87.00**

#### Standard Neck Strap (59110)

Black polyester 1" camera strap with rubber underside to prevent slipping. (Replacement.)

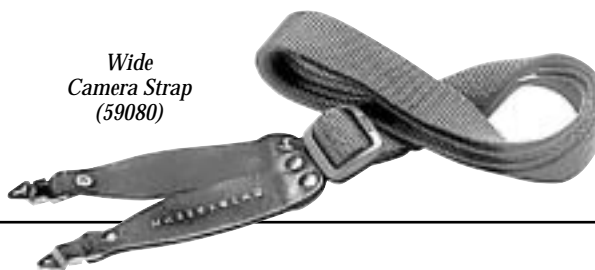
**Item # HASNQ.....33.95**

#### Wide Camera Strap (59080)

1 1/2" (40mm) wide adjustable strap made of black polyester with a rubber underside.

**Item # HASW.....46.00**

Wide Camera Strap (59080)



#### Hand Carrying Strap (46140)

Short, black leather strap with rubber insert to be attached to the camera's strap buttons. Length: 13" (325mm).

(Supplied with the 553ELX.)

**Item # HASH.....39.95**

#### Contoured

#### Camera Shoulder Strap (59099)

A 1 1/4" (30mm) wide strap, contoured for the shoulder giving a non-slip, well balanced fit.

**Item # HASCS.....84.00**

#### Rear Body Cover (51063)

Protects rear of camera when no back is attached.

(Replacement.)

**Item # HABCR.....14.95**

#### Front Body Cover (51438)

Attaches to the lens mount in the camera body and in the front of the Converter 2XE and the PC Mutar 1.4X shift converter. For all cameras.

(Replacement.)

**Item # HABC.....7.95**

#### Release Button (46116)

Used in either of the two front sockets on all ELX and EL models. It permits the use of a release cord in the free socket. It is supplied with 553ELX camera body.

**Item # HARBEL.....24.95**

#### Fuse (56111)

A 1.6 amp (3/16 x 3/4") slow blow fuse is used in all EL, EL/M and ELX models. (Also used in the Hasselblad winders for 200 and older 20000 series.)

**Item # HAFEL.....1.95**

#### Release Cord FK30 (46043)

For 553 ELX front socket. 1 ft. (30cm).

**Item # HARCCK30.....49.50**

#### Release Cord FK300 (46051)

For EL series front socket. 10.5 ft. (3m).

**Item # HARCCK300.....86.00**

#### Release Cord FK600 (46078)

For 553 ELX front socket. 20 ft. (6m).

**Item # HARCCK600.....79.95**

#### Release Cord SK 150 (46086)

For 553 ELX side socket. 5ft. (1.5cm).

**Item # HARCSK150.....49.95**

#### Connecting Cord LK500 (46027)

For 553 ELX side socket. 16' (5m).

**Item # HACCLK500.....64.50**

#### Release Adapter (46213)

For 553 ELX and EL models when using PC-Mutar 1.4x.

**Item # HARAEL.....22.95**

#### Open L Connector (50776)

L shaped 90° cable-release adapter. Used in conjunction with cable release when cable release fits too tight or when cable release must be used at a 90° angle.

**Item # HALOC.....22.95**

#### Nicad Battery 1 (56081)

For the 500ELX ELM/EL type Varta 5/600 DKZ. (nickel-cadmium battery, 1 3/4 x 2"). (Replacement.)

**Item # HABNEL.....117.00**

#### Recharge Unit 1 (56023)

For recharging batteries in the 500ELX, 500EL/M and 500EL. Connects to the side socket of the camera. Supplied with a permanent plug. 110V AC.

**Item # HACEL.....114.95**

#### External Battery Cassette for 200 Series Cameras (43023)

The External Battery Cassette is an alternative source of power for the 200 Series cameras that can be used under demanding conditions such as extreme cold. Batteries with greater capacity than those used in the normal cassette can be used. Uses four 1.5v AA type alkaline batteries.

**Item # HABCE201F.....94.95**

**Most Orders Shipped Within 24 Hours**



The Hasselblad system includes close up accessories, such as close up lenses, auto extension tubes, an automatic bellows and accessories for copying work.

### Auto Extension Tubes

Hasselblad offers a range of four fixed length extension tubes from 8mm to 56mm. The extension tubes can be used in combination with each other, with proxars and the bellows extensions. The Extension Tubes 16E, 32E, and 56E come equipped with electronic coupling to transfer information from the lenses to the microprocessor in the 205FCC and 203FE camera bodies. They are also compatible with most other Hasselblad SLR camera models.



Hasselblad Auto Extension Tubes 56E, 32E, 16E, and 8

**Automatic Extension Tube-8mm** (40649)  
Cannot be connected directly to camera bodies fitted with a shutter speed ring.  
**Item # HAET8.....343.00**

**Automatic Extension Tube-16E** (40654)  
Extends lens 16mm from body.  
**Item # HAET16E.....296.00**

**Automatic Extension Tube-32E** (40655)  
Extends lens 32mm from camera body.  
**Item # HAET32E.....318.00**

**Automatic Extension Tube-56E** (40656)  
Extends lens 56mm from camera body.  
**Item # HAET56E.....363.00**

### Proxars

Proxars are close-up lenses which are attached to the front of the lens using the  $\varnothing$  60 accessory mounts. They are available in three focal lengths: 0.5m, 1.0m, and 2.0m. Proxars are T\* coated and can be used individually or in combination with one another. The shorter the focal length, the greater the magnification, thus a 0.5m lens will provide a greater magnification than the 2.0m lens. If all three Proxar lenses are used with the 80mm lens, the lens-to-subject distance (with the lens focused at 3' or 0.9m) is 88mm giving a reproduction ratio of 1:2.5. Neither lens aperture nor exposure should be changed when the Proxar close-up lenses are used.

**Proxar 0.5** (51662)  
**Item # HAP.5S60.....175.00**

**Proxar 1.0** (51665)  
**Item # HAP1S60.....175.00**

**Proxar 2.0** (51667)  
**Item # HAP2S60.....175.00**



### CLOSE-UPS SUMMARY

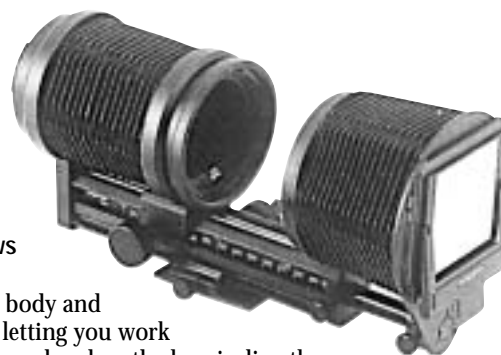
**EXTENSION TUBES:** • Excellent image quality • Can be used in any combination  
• Rear of lens moves further from film plane, so exposure must be increased

**PROXARS:** • Lightweight • Mounts on front of lens • Great for quick close-up shots • Can be used in any combination

**AUTO BELLOWS EXTENSION:** • Best quality of image • Can be used with all lenses  
• 1:1 reproduction with 135mm lens • Can be used for slide duplication

### Automatic Bellows

*Automatic Bellows Extension (40517) shown with Transparency Copyholder II (40533) and Lens Hood (40525)*



**Automatic Bellows Extension** (40517)  
Connects camera body and lens mechanisms letting you work in the same way you do when the lens is directly connected to the camera. The automatic bellows combined with the 135mm Macro Planar CF f/5.6 enables you to work from infinity down to 1:1. Can be used with 205FCC and 203FE, but lens must be stopped down, to get accurate meter readings.  
**Item # HABA.....1,589.00**

**Lens Hood** (40525)  
For automatic bellows extension. Adjustable extension lens shade fitted with flanges for the transparency copyholder. Adapted to the lens front mount with separate lens mounting rings which also have a slot for the discontinued gelatin filter holder. Rings are not supplied with the lens hood. Mounting rings are the same as for the macro flash bracket.  
**Item # HALHAB.....392.00**

**Transparency Copyholder II** (40533)  
Attached to flanges on the lens hood for the automatic bellows extension and used in the copying and reproduction of transparencies and negatives.  
**Item # HATCH2.....292.95**

**Double Cable Release** (40751)  
For PC-Mutar. Replacement.  
**Item # HACRDPCM.....188.95**

**Lens Mount Adapter** (40037)  
Intended for attaching special-purpose lenses, such as photomicrography, to the camera. The auxiliary shutter in the camera body or the focal plane shutter in the 205FCC, 201F, 203FE and 2000 models can be used.  
**Item # HALMA.....131.95**

**Extension Ring** (40630)  
When the lens hood extension is insufficient in the copying of transparencies, the ring can increase the extension by 3/4" (82mm).  
**Item # HAERAB.....198.50**

**Lens Support Rod 296** (40622)  
This longer support rod is used when the standard lens shade support rod 216 is insufficient.  
**Item # HARSAB.....38.50**



### Lens Hoods

Used to shield the lens from extraneous light and safeguard the front lens element. Includes lens hoods designed for a fixed focal length range and the professional lens hoods which feature adjustable bellows lens hoods for a wide range of lens focal lengths.

#### For CF Lenses

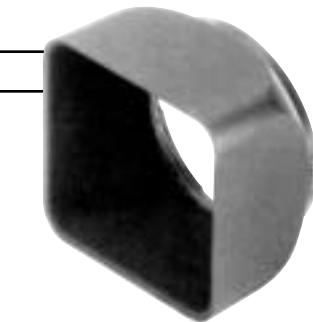
**Lens Hood ø60/38-60** (40668)  
For all 38-60mm wide angle lenses except 40mm.  
**Item # HALH38CF .....95.95**

**Lens Hood ø60/80** (40670)  
For 80mm C, CF, FE, and F lenses.  
**Item # HALH80CF .....95.95**

**Lens Hood ø60/100-250** (40673)  
For 100-250mm lenses.  
**Item # HALH100CF .....106.95**

**Lens Hood ø93/40** (40693)  
For 40mm lens. (Supplied with the lens.) Also used as a holder for ø 93 filters.  
**Item # HALH40CF .....139.95**

**Lens Hood ø93/350-500** (40703)  
For the 350mm Tele-Tessar and 500mm Tele-Apotessar. (Supplied with these lenses.) Also used as a holder for ø 93 filters.  
**Item # HALH350CF .....148.95**



**Lens Hood ø93/F140-280** (51470)  
For the 140-280mm variogon zoom lens.  
**Item # HALH148280 .....137.50**

#### For F/FE (TCC) Lenses

**Lens Hood ø60/80** (40670)  
For 80mm CF, FE, and F lenses.  
**Item # HALH80CF .....95.95**

**Lens Hood ø70/110-250** (40576)  
For 110-250mm F, FE and (TCC) lenses. Series 70.  
**Item # HALH110TTC ...117.50**

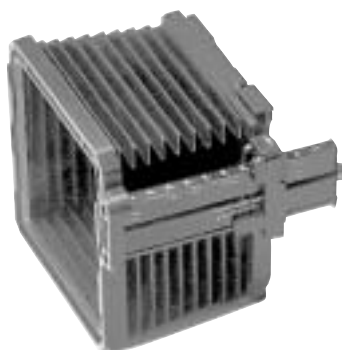
**Lens Hood ø93/50** (40706)  
For 50mm F, FE and (TCC) lenses. Series 93. Also used as a holder for ø93 filters.  
**Item # HALH50TCC .....129.95**

**Lens Hood ø93 F350** (40717)  
For 350mm F, FE (TCC) lens.  
**Item # HALH350TCC ...142.50**

*Lens hoods for discontinued ø50 lenses can be attached with Step-Up Rings. See Step-Up Rings on next page.*

### Professional Lens Hoods

**Professional Lens Hood** (40739)  
For 38-500mm CF, and 50-350 FE and F lenses. Extends approximately 90mm, with easy-to-read scales, and versatile filter options for 3 and 4" square glass, gelatin and resin filter combinations up to 4mm thick.  
**Item # HAPLH6093T ....354.00**



*Professional Lens Hood (40739)*

**Lens Mounting Ring ø 60** (40741)  
For fitting Professional Lens Hood to lenses with a ø 60 front mount.  
**Item # HAMR606093 .....69.00**

**Lens Mounting Ring ø 70** (40744)  
For fitting Professional Lens Hood to lenses with a ø 70 front mount.  
**Item # HAMR706093 .....97.00**

**Lens Mounting Ring ø 93** (40746)  
For fitting Professional Lens Hood to lenses with a ø 93 front mount.  
**Item # HAMR936093 ....127.00**

**Lens Mounting Ring 67** (85376) (Pro+ Systems). For fitting Professional Lens Hood to lenses with a 67mm front mount.  
**Item # HAMR636093 .....36.95**

**Prohood Mask 250** (40312)  
Gives maximum shading effect with Professional Lens Hood 40739 for Sonnar Cf 250mm lenses. (Replacement.)  
**Item # HAM2505070 .....16.95**

*Mounting rings for Pro Lens Hood (40525) and Macro Flash Bracket (51657) are listed below.*

**Lens Mounting Ring ø50** (40679)  
**Item # HAMR505070 .....62.95**

**Lens Mounting Ring ø60** (40681)  
**Item # HAMR605070 .....62.95**

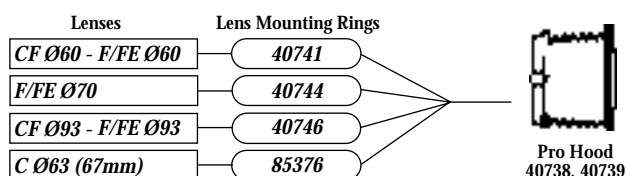
**Gelatin Filter Holder** (51705)  
Set of five. For use with 3 x 3" (75 x 75mm) gelatin filters. Inserted into the slot in the Pro Lens Hood's filter slot.  
**Item # HAFH336093 .....36.00**

**Gelatin Filter Holder** (51708)  
Set of five. For use with 4 x 4" (100 x 100mm) gelatin filters. Inserted into the slot in the Pro Lens Hood's filter slot.  
**Item # HAFH446093 .....43.00**

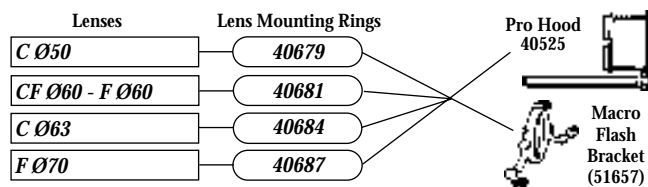
**Lens Mounting Ring ø63** (40684)  
**Item # HAMR635070 .....69.95**

**Lens Mounting Ring ø70** (40687)  
**Item # HAMR705070 .....68.95**

#### Diagram for Pro Lens Hood Mounting Rings



#### Diagram for Pro Lens Hood Mounting Rings



## Filters

**Polarization filters** can be used with black and white or color film to reduce or eliminate reflections.

**Softar Diffusion and Soft 100 filters** can be used with both black and white and color and are available in three strengths that can be combined. They provide controlled softening of otherwise razor-sharp images. Softars and Soft 100 filters can be used at any aperture setting.

**Color Balancing and Light Balancing filters** are used to match the color temperature of the light to that of the color film. They are used to balance color temperature as well as making it possible to use tungsten film in daylight and vice versa. Based on the Decamired system, they serve the same purpose as light balance and conversion filters offered by other companies.

**The Neutral Density filter** (gray filter) can be used to make extremely long exposures without over-exposing the film.

*Here are equivalents:*

Hasselblad	Wratten	Exposure Increase (f-stops)	Hasselblad	Wratten	Exposure Increase (f-stops)
CR-1.5	81A	0	CB-1.5	82A	0
CR-3	81C	0	CB-3	82B	1/2
CR-6	81EF or 81D	1/2	CB-6	82C+82C	1
CR-12	85	1	CB-12	80B	1 1/2

### Series 70 Filters

*For 110mm, 150mm, and 250mm F and FE lenses.*

Item #	Mfg.#	Description	Price
HAYS70	(51306)	Yellow, Y	140.00
HAGRS70	(51314)	Green, G	140.00
HAOS70	(51322)	Orange, O	140.00
HARS70	(51330)	Red, R	140.00
HAUVSS70	(51349)	UV Haze, HZ	140.00
HACR1.5S70	(51357)	CR-1.5	140.00
HAPS70	(51578)	Polarizer w/case	407.00
HAS1S70	(51527)	Softar I	226.00
HAS2S70	(51535)	Softar II	226.00
HAS3S70	(51543)	Softar III	226.00

### Series 26 Filters

*For 30mm CF & C lenses. Replacement.*

Item #	Mfg.#	Description	Price
HAYS26	(50636)	Yellow, Y	101.95
HAOS26	(50644)	Orange, O	101.95
HACB11S26	(50652)	Color Conversion 26, B-11	101.95
HAUVS26	(50660)	Neutral	101.95

### Series 60 Filters

*For 38mm CF, 50-250mm CF and 80mm FE lenses.*

Item #	Mfg.#	Description	Price
HAYS60	(51586)	Yellow, Y	120.00
HAGRS60	(51592)	Green, G	120.00
HAOS60	(51594)	Orange, O	120.00
HARS60	(51597)	Red, R	120.00
HAND.9S60	(51606)	Gray-GR3 (ND.9)	120.00
HAUVSS60	(41608)	UV-Sky	120.00
HAPS60	(51603)	Polarizer	262.00
HACR1.5S60	(51614)	CR-1.5	120.00
HACR3S60	(51616)	CR-3	120.00
HACR6S60	(51619)	CR-6	120.00
HACR12S60	(51630)	CR-12	120.00
HACB1.5S60	(51622)	CB-1.5	120.00
HACB3S60	(51624)	CB-3	120.00
HACB6S60	(51627)	CB-6	120.00
HACB12S60	(51632)	CB-12	120.00
HAS1S60	(51670)	Softar I	204.00
HAS2S60	(51673)	Softar II	204.00
HAS3S60	(51675)	Softar III	204.00

## Filter Mount Adapter and Accessories

**4" Resin Filter Mount Adapter** (85392) (Pro+Systems). Holds up to three Sinar 4" (100mm) filters. Designed to mount on the front of any camera by means of Sinar Adapter Rings.  
**Item # HAFMA4.....178.95**



### ADAPTER RINGS

Item #	Sinar Mfg. #	Adapter Ring For	Price
SIARB50100	582269	HASS B50	124.95
SIARB60100	582270	HASS B60	124.95
SIARB80100	582278	HASS B70	124.95
SIARB40.5100	582040	40.5mm	64.95
SIAR49100	582049	49mm	64.95
SIAR52100	582052	52mm	64.95
SIAR55100	582055	55mm	64.95
SIAR58100	582058	58mm	64.95
SIAR62100	582062	62mm	64.95
SIAR67100	582067	67mm	64.95
SIAR72100	582072	72mm	64.95
SIAR77100	582077	77mm	64.95
SIAR82100	582082	82mm	64.95
SIAR86100	582086	86mm	64.95
SIARR100	582271	Rollei B6	124.95

### Series 93 Filters

*For 40mm, 350mm and 500mm CF, Plus 50mm and 350mm FE.*

Item #	Mfg.#	Description	Price
HAYS93	(51365)	Yellow, Y	173.00
HAGRS93	(51373)	Green, G	173.00
HAOS93	(51381)	Orange, O	173.00
HARS93	(51403)	Red, R	173.00
HAUVSS93	(51411)	Haze, HZ	173.00
HACR1.5S93	(51420)	CR-1.5	173.00

**Please Note:** Series 93 filters are not bayonetted or threaded. They fit onto lenses with proper lens hoods by sandwiching the filters between lens hoods and retaining rings.

**Polarizer Filters** (41646)  
Rotating Polarizer fits directly onto lens by removing lens hood. The Pro Lens Hood fits onto Polarizer without adapter.  
**Item # HAP6093.....549.00**

**Polarizer Filter Adapter F350** (41648)  
To attach the Polarizer filter 93 to the 350 FE lenses.  
**Item # HAPFA350F.....89.95**

### 100 x 100mm Filters

**Soft Filter Kit 100mm** (51711)  
Set of three soft-focus filters in different grades. Fits into the filter slot of the Professional Lens Hood.

**Item # HASK44.....172.00**



**Soft Filter 100mm, Light** (51713)  
For Professional Lens Hood (40739).

**Item # HASL44.....68.95**

**Soft Filter, Medium** (51715)  
For Professional Lens Hood (40739).

**Item # HASM44.....68.95**

**Soft Filter, Heavy** (51718)  
For Professional Lens Hood (40739).

**Item # HASH44.....68.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# H A S S E L B L A D

## S Y S T E M



Hasselblad  
Rear Lens Caps



### LENS ACCESSORIES, *continued*

#### Lens Caps

Front Lens Cap (51640)  
Series 50.  
(Replacement.)  
**Item # HALCS50 .....7.95**

Front Lens Cap (51643)  
Series 60.  
(Replacement.)  
**Item # HALCS60 .....12.95**

Front Lens Cap (51648)  
Series 70.  
(Replacement.)  
**Item # HALCS70 .....12.95**

Front Lens Cap (51659)  
For 30mm CF lens, friction fit.  
(Replacement.)  
**Item # HALC30Q .....16.95**

Front Lens Cap (51462)  
For zoom lens, friction fit.  
(Replacement.)  
**Item # HALC140280Q .....23.50**

Front Lens Cap 93/100 (51654)  
For use with lens shade.  
(Replacement.)  
**Item # HALC93100 .....19.95**

Rear Lens Cap (50377)  
For all lenses except 135mm.  
(Replacement.)  
**Item # HALCR .....12.95**

Rear Lens Cap (50571)  
For 135mm.  
(Replacement.)  
**Item # HALCR135 .....12.95**

#### Step-Up Rings

Series 50-60  
Step-up Ring (40711)  
For using Series 60 filters on  
discontinued Series 50 lenses.  
**Item # HASUR5060 .....117.50**

Series 60-67  
Stepping Ring (41530)  
For using standard 67mm fil-  
ters on Series 60 lenses.  
**Item # HASUR6067 .....56.50**

Series 60-70  
Step-Up Ring (40714)  
For using Series 70 filters on  
Series 60 lenses.  
**Item # HASUR6070 .....107.95**

Series 70-77  
Stepping Ring (41548)  
For using standard 77mm  
filters on Series 70 lenses.  
**Item # HASUR7077 .....54.50**



### VIEWFINDER ACCESSORIES

#### Misc. Finder Accessories

Protective Cover (52191)  
For E finder. (Replacement.)  
**Item # HACTCCF .....4.95**

Protective Cover (42064)  
For other finders. (Replacement.)  
**Item # HACPFQ .....4.95**

Rubber Eyecup (85416)  
(Pro+ Systems). For 45° prism.  
**Item # HAEC .....11.95**

Rubber Eyecup (85424)  
(Pro+ Systems). For 45° prism.  
For use with eyeglasses.  
**Item # HAECQ .....4.95**

Clear Mask (42146)  
Mask for A16/A16S back for  
proper viewing.  
**Item # HAMCA16 .....19.95**

#### Corrective Viewfinder Eyepieces

#### INTERCHANGEABLE CORRECTION EYEPIECES AND MAGNIFIERS

	FOR NC-2, PM, PME, PM3, PME3, PM5, PME5, PME51			FOR PM 90		FOR WAIST-LEVEL FINDER	
Dioptrs	Item #	Price		Item #	Price	Item #	Price
+3	HADP345P (42432)	61.00		HADP3PM90 (42412)	61.00	HADP3WLF (42404)	53.00
+2	HADP245P (42429)	61.00		HADP2PM90 (42423)	61.00	HADP2WLF (42390)	53.00
+1	HADP145P (42426)	61.00		HADP1PM90 (42420)	61.00	HADP1WLF (42382)	53.00
0 Neutral	HAD045P (42412)	61.00		HAD0PM90 (42411)	61.00	HAD0WLF (42331)	53.00
-1	HADM145P (42423)	61.00		HADM1PM90 (42418)	61.00	HADM1WLF (42374)	53.00
-2	HADM245P (42420)	61.00		HADM2PM90 (42415)	61.00	HADM2WLF (42366)	53.00
-3	HADM345P (42418)	61.00		HADM3PM90 (42414)	61.00	HADM3WLF (42358)	53.00
-4	HADM445P (42415)	61.00		HADM4PM90 (42413)	61.00	HADM4WLF (42340)	53.00
-5	HADM545P (42414)	61.00		---	---	---	---
-6	HADM645P (42413)	61.00		---	---	---	---

Diopter For PME-90 (42453)  
Extends range to -4.5 to -2.  
**Item # HADM4.5PME90.19.95**

Diopter For PME-90 (42450)  
Extends range to +0.5 to +3.  
**Item # HADP3PME90 .....19.95**

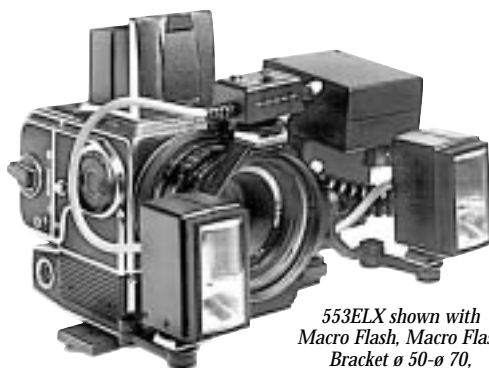
#### Rapid Focus Lever

Quick Focusing Handle  
1/CF -40-80 (51700)  
Screws directly to the focusing  
ring. Handle folds down flat.  
For the 40, 50, 60mm and  
80mm CF lenses.  
**Item # HAQFH1 .....58.00**

Release Adapter (46213)  
For 553 ELX and EL models  
when using PC-Mutar 1.4x.  
**Item # HARAEL .....22.95**



### FLASH AND ACCESSORIES



553ELX shown with  
Macro Flash, Macro Flash  
Bracket ø 50-ø 70,  
and Lens Mounting Ring

#### Macro Flash (51678)

Consists of a control unit and two light sources  
for simultaneous or individual flash. Obtain many  
lighting effects by using wide-angle and gray screens.  
The TTL/OTF circuitry in the 503CW, 553ELX,  
201F, 203FE and 205FCC can be utilized by using  
the Flash Adapter SCA 390. The light sources are  
placed on the macro flash bracket. The guide number  
at ISO 100 is 28 (m). Supplied with 2 wide-angle  
screens, 2 different neutral density screens, flash shoe,  
synchronization cord, standard adapter, coiled cord  
and double flash outlet.

**Item # HAMF .....919.95**

**We Exhibit at National and Regional Shows/Conventions**





## FLASH AND ACCESSORIES, *continued*

### D-Flash 40 (55105)

Fits Hasselblad cameras with built-in TTL/OTF flash metering systems. It can be adjusted for normal or wide-angle positions, or be removed for bare bulb lighting. The head can be swiveled, tilted 90° upwards or 10° downwards. With the reflector in the normal position, the guide number is 40/132 (m/ft), in the wide-angle position 33/110 (m/ft) at ISO 100. Requires 6AA batteries.

**Item # HAD40.....439.00**



D-Flash 40  
(55105)

### Sync Cord (55117)

59". (1.5m). For D-Flash 40.

**Item # HASC1.5M.....14.00**

### Extension Cord SCA (55120)

39.3". (1m). For D-Flash 40.

**Item # HAEC1M.....85.00**

### Extension Cord (55147)

169.5". (5m). For D-Flash 40.

**Item # HAEC5M.....137.00**

### Adjustable Flash Shoe (43125)

Slides onto the accessory rail on the left side of 500 series cameras. Small electronic flash units are placed in a swivel-type flash shoe.

**Item # HAFS.....62.95**

### Macro Flash Bracket

ø 50-ø 70 (51657)

With three mounting shoes.

The two arms are articulated at three points and rotatable 360°. The bracket attaches to the lens accessory mount with separate lens mounting rings.

**Item # HABMF.....237.50**

### Lens Mounting Ring ø 50 (40679)

**Item # HAMR505070.....62.95**

### Lens Mounting Ring ø 60 (40681)

**Item # HAMR605070.....62.95**

### Lens Mounting Ring ø 63 (40684)

**Item # HAMR635070.....69.95**

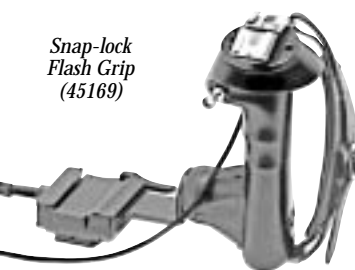
### Lens Mounting Ring ø 70 (40687)

**Item # HAMR705070.....68.95**

### Snap-lock Flash Grip (45169)

Left hand grip with tiltable handle, accepts all shoe mount flash units. Built-in Tripod Quick Coupling S. Comes with cable release and adjustable leather wrist strap. Can be used with all current Hasselblad cameras (or older models with use of a Quick Coupling Plate S.)

**Item # HASLFGD40.....398.00**



Snap-lock  
Flash Grip  
(45169)

### Flashgun Bracket 1 (45073)

Anatomically shaped. Locks onto the camera's quick-coupling plate. Adjustable leather strap gives firm grip. Camera is triggered via the bracket which is provided with a reversible 1/4" or 3/8" thread bolt and an accessory shoe for a flash. Designed for all models (except 553ELX and earlier 500EL and EL/M models).

**Item # HABFG.....397.00**

### Flashgun Bracket 2 (46330)

For the 553ELX and the earlier 500EL and EL/M models.

**Item # HABFGEL.....417.00**

### Flash Adapter (85344)

(Pro+ Systems). For mounting Proflash and Metz 45 series to Flashgun Brackets.

**Item # HAFAPFFGB.....60.00**

### Bracket Adapter (85352)

(Pro+ Systems). For mounting Flashgun Brackets to tripod quick-coupling.

**Item # HABAQ.....87.00**

### Flash Adapter SCA390 (51681)

For connecting SCA 300 system compatible flash attachments to the 553ELX, 503CW, 201F, 203FE and 205FCC cameras. The camera's indicator shows when the flash is ready and if it has discharged the right amount of light.

**Item # HASCA390.....201.00**

### Flash Adapter SCA590 (51683)

For connecting SCA 500 system compatible flash attachments (Metz 60CT2 and 45CT5) to the 553ELX, 503CW, 201F, 203FE and 205FCC cameras.

**Item # HASCA590.....249.95**



## CASES

Pouches are soft leather material.

### Lens Pouch 1 (58408)

For 60mm, 80mm and 100mm lenses and the Mutar 2x and 2XE Teleconverter.

**Item # HALP1.....42.50**

### Lens Pouch 2 (58416)

For 50mm, 105mm, 120mm, 135mm and 150mm lenses.

**Item # HALP2.....42.50**

### Lens Pouch 3 (58424)

For 180mm and 250mm lenses.

**Item # HALP3.....42.50**

### Lens Pouch 4 (58432)

For 40mm and 50mm FE lenses.

**Item # HALP4.....42.50**

### Lens Pouch (58459)

For PC-Mutar.

**Item # HALPPCM.....55.95**

### Case 608 (58157)

For 30mm CF and C lenses. (Replacement.)

**Item # HALC30.....214.95**

### Case (58378)

For 350mm CF, 350FE and zoom lenses. (Replacement.)

**Item # HALC140280.....206.00**

### Case (58351)

For 500mm CF lenses.

**Item # HALC500.....338.50**

### Soft Case 540 (58397)

Blue Cordura shoulder bag made. Removable interior partitions and lens protectors.

Two roomy pockets on the front of the case. Shoulder and hip straps have rubber, non-slip inserts. 14½ x 7¾ x 9" (370 x 200 x 230mm) L.W.H.

**Item # HAC540.....525.00**

### Back Pocket Attachment to Case 540 (58440)

Pocket for spare film backs and film rolls. It can be fitted to the ends of Soft Case 540 or used as a pouch. It can also be worn directly on your belt for quick access to film backs and/or film.

**Item # HAMP540.....59.95**

### Case 712 (58270)

A functional and spacious case with internal arrangements both in the lid and the case. All the lenses, except the longest telephoto lenses, can be stored in an upright position. A rubber gasket around the opening provides a weather-tight seal and protects the case contents from dust and rain.

Dimensions: 16¼ x 12½ x 6"

(410 x 320 x 150mm) L.W.H.

**Item # HAC712.....781.00**

### Camera Case 507 (58238)

A protective case in soft, leather-like material, provided with a zipper and slits for a carrying strap. Designed for cameras in the 500 and 2000 series and the 210F, 203FE, and the 205FCC, with their prism viewfinders (except the EL, ELM, and ELX series). Fits a camera, a 120 film back, a lens and lens shade up to 240mm. Its dimensions are 9½ x 3¾ x 3¾" (240 x 95 x 150mm) L.W.H.

**Item # HAC507.....87.00**

### Flex Body Case (72516)

Made from soft blue Cordura material, this case has removable interior partitions. (Replacement.)

**Item # HAPF.....98.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



### ARCBODY ACCESSORIES

35mm f/4.5 Rodenstock APO Grandagon Lens (27035)  
With Front Cover ArcBody, rear lens cap and lens pouch.  
**Item # HA3545AGA .....2464.00**

45mm f/4.5 Rodenstock APO Grandagon Lens (27045)  
With Front Cover ArcBody, rear lens cap and lens pouch.  
**Item # HA4545AGA .....2077.00**

75mm f/4.5 Rodenstock Grandagon-N Lens (27075)  
With Front Cover ArcBody, rear lens cap, lens shade, 26mm extension tube, stray light protection slide, 10° and 20° correction slides, and lens pouch.  
**Item # HA7545GNA .....2904.00**

Camera Inverter Mount (47033)  
Mounts on tripod. Allows ArcBody to be used upside down, making it possible to shift the rear standard upwards in relation to the subject.  
**Item # HACIM .....295.00**

Extension Tube 8 (47040)  
**Item # HAET8A .....180.00**



*Clockwise from left: ArcBody, Hard Carrying Case, Stray Light Mask, Filter Holder, Center Filter Holder, Correction Slides, Cable Release, Rear Cover Multi-Control, Focusing Screen Adapter, Body Cap.*

Extension Tube 16 (47045)  
**Item # HAET16A .....189.00**

Extension Tube 26 (47049)  
**Item # HAET26A .....202.00**

Center Filter (47057)  
**Item # HACFA .....433.00**

Center Filter Holder (47018)  
**Item # HACFHA .....91.00**

RMfx Reflex Viewfinder (47070)  
**Item # HARMFXA .....242.00**

Small Correction Slide (47003)  
Replacement.  
**Item # HACSS .....74.00**

Medium Correction Slide (47007)  
Replacement.  
**Item # HACSM .....74.00**

Large Correction Slide (47011)  
Replacement.  
**Item # HACSL .....74.00**

Lens Shade 35/45 (47024)  
Replacement.  
**Item # HALH35AG .....39.00**

Lens Shade 75 (47027)  
**Item # HALH75GN .....53.00**

Cable Release (57689)  
Replacement.  
**Item # HACRA .....19.00**

Front Cover ArcBody (57692)  
Replacement.  
**Item # HABCA .....9.00**

Filter Holder (57695)  
Replacement.  
**Item # HAFHA .....112.00**

## EXTENDED PROTECTION PLAN

FOR BRONICA, HASSELBLAD, LINHOF, MAMIYA, PENTAX AND ROLLEI MEDIUM FORMAT EQUIPMENT

COVERS ALL PARTS AND LABOR FOR 3 YEARS PAST MANUFACTURER'S WARRANTY.

*Must be purchased with camera or lens.*

3 Year Extended Warranty  
For cameras up to \$1000.

**Item # MAEWPC2 .....49.95**

3 Year Extended Warranty  
For cameras over \$1000.

**Item # MAEWPC3 .....59.95**

3 Year Extended Warranty  
For lenses up to \$500.

**Item # MAEWPL1 .....29.95**

3 Year Extended Warranty  
For lenses up to \$1000.

**Item # MAEWPL2 .....34.95**

3 Year Extended Warranty  
For lenses over \$1000.

**Item # MAEWPL3 .....49.95**

3 Year Extended Warranty  
For lenses over \$2000.

**Item # MAEWPL4 .....59.95**

*Dropped, misused, water, sand, or impact damaged equipment not covered.*

# L R X by Beattie

## L R X L O N G R O L L C A M E R A

*The Beattie LRX is a medium format single lens reflex AC-powered camera which uses 100 foot rolls of film. Designed for high volume photography, this camera is generally used for portraits in the studio or for schools, and allows I.D.'s, mug-shots, and a variety of police, industrial and scientific uses. The LRX can accommodate a wide variety of Hasselblad, Mamiya 645, Pentax 645 or Nikon lenses. Although 70mm roll film is the choice for the 2½ x 1¾" frame using the D-56 back, other Beattie LRX optional backs will accept 46mm film or 100 ft. of 35mm film.*



*Beattie LRX camera shown with Pentax 645 Zoom Lens and back*

### FEATURES

- Long roll cameras with choice of LCD, negative I.D. or card/envelope writing area for I.D.
- Choice of mounting Hasselblad, Mamiya 645, Pentax 645 or Nikon lenses
- Bright 360° rotating viewfinder
- Accept optional 70mm, 46mm or 35mm film backs
- Cameras and backs are available in 110V or 220V
- Excellent for portrait photography in the studio, schools and store promotions

LRX Camera Body (553000)  
With built-on Hasselblad lens board with viewfinder and cables.  
**Item # BELRXH.....2,507.50**

LRX Camera Body (551000)  
With built-on Mamiya 645 lens board with viewfinder and cables.  
**Item # BELRXM .....2,507.50**

LRX Camera Body (552000)  
With built-on Pentax 645 lens board with viewfinder and cables.  
**Item # BELRXP.....2,507.50**

LRX Camera Body (554000)  
With built-on Nikon (35mm) lens board with viewfinder and cables.  
**Item # BELRXN .....2,507.50**

*The LRX with built-on Nikon lensboard will only accept the 35mm full frame or 35mm perforated film backs.*  
Above systems are also available in 220 volt AC/50Hz. Add....**102.00**

### L R X S P E C I F I C A T I O N S

#### TYPE:

70mm split format (2.5 x 1.7") electronic long roll single lens reflex camera, with interchangeable lens, long roll film backs and focusing screens

#### LENS MOUNT:

Choice of Hasselblad, Mamiya 645, Pentax 645 or Nikon mounts

#### FILM ADVANCE:

Automatic electronic motor with green light indicates when the camera is ready to operate

#### VIEWFINDER:

Through-the-lens removable finder; 1.5x magnification; Viewer rotates 360° for viewing convenience

#### FOCUSING SCREEN:

Factory installed type; standard screen is micropism, enhanced by Intenscreen. A split-image/micropism screen is optional and factory installed

#### MIRROR LOCK-UP:

Possible from control panel

#### MULTIPLE EXPOSURE:

Possible from control panel

#### SHUTTER:

Electronic behind-the-lens 1/80 second

#### FILM BACK:

Darkroom loading interchangeable type; exclusive film backs for 100 ft. rolls of 70mm, 46mm, full-frame 35mm, standard perforated 35mm or Polaroid back

#### FILM:

*Approximate shots per 100 ft. roll:*

Split 70mm:  
660 exp. without ID,  
600 exp. with ID;

46mm:  
460 exp. without ID,  
435 exp. with ID;

Full Frame 35mm:  
620 exp. without ID,  
565 exp. with ID;

Standard 35mm:  
810 exp. without ID,  
720 exp. with ID.

#### FLASH SYNCHRONIZATION:

1/80 sec.

#### CONTROL PANEL:

Green light - shows when camera is ready  
Amber light - double exposure mode  
Red light - camera not functioning or film back not connected

#### DIMENSIONS:

9 x 11.5 x 4.5" W.H.L.  
camera body with film back and ID unit

#### WEIGHT:

16. lbs. camera body with film back, viewfinder and operating cables

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



# L R X by Beattie

L R X

MEDIUM FORMAT

56



## NEGATIVE IDENTIFICATION BODIES

Each of the four different basic LRX camera bodies are available in two distinct configurations.

One option is a negative identification camera body that allows you to insert a card or an envelope into the slot on the side of the camera. This permits you to place a name or preprinted number within a 2 x 1/2" writing area that will appear on the film at 50% of its original size.

The other configuration offers a negative identification LCD display camera with a 1 1/8 x 1/2" writing area that can be used in conjunction with the card in one of two ways. Either a sequential 3-digit numbering for pose identification or negative retrieval, or with your choice of a 2-digit code on each negative for package, school or photographer identification.

### LRX Card Data Module

Camera Body (553000) (556000)  
With built-on Hasselblad lens-board, viewfinder, cables and card insert.

Item # **BELRXHDM...2,997.50**

### LRX Card Data Module

Camera Body (551000) (556000)  
With built-on Mamiya 645 lensboard, viewfinder, cables and card insert.

Item # **BELRXMDM...2,997.50**

### LRX Card Data Module

Camera Body (552000) (556000)  
With built-on Pentax 645 lens-board, viewfinder, cables and card insert.

Item # **BELRXPDMLCD...2,997.50**

### LRX Card Data Module

Camera Body (554000) (556000)  
With built-on Nikon (35mm) lensboard, viewfinder, cables and card insert. The LRX Nikon camera will only accept the 35mm full-frame or 35mm perforated film backs.

Item # **BELRXNDMLCD...2,997.50**

Systems are also available in  
220 volt AC/50Hz.  
Add \$102.00

### LRX LCD & Card Data Module

Camera Body (553000) (556100)  
With built-on Hasselblad lens-board, viewfinder, cables and card insert.

Item #  
**BELRXHDMLCD.....3,316.50**

### LRX LCD & Card Data Module

Camera Body (551000) (556100)  
With built-on Mamiya 645 lensboard, viewfinder, cables and card insert.

Item #  
**BELRXMDMLCD.....3,316.50**

### LRX LCD & Card Data Module

Camera Body (552000) (556100)  
With built-on Pentax 645 lens-board, viewfinder, cables and card insert.

Item #  
**BELRXPDMLCD.....3,316.50**

### LRX LCD & Card Data Module

Camera Body (554000) (556100)  
With built-on Nikon (35mm) lensboard, viewfinder, cables and card insert. The LRX Nikon camera will only accept the 35mm full-frame or 35mm perforated film backs.

Item #  
**BELRXNDMLCD.....3,316.50**



## FOCUSING SCREEN

### Split-Image Screen (556800)

Patented bright focusing screen. Must be ordered with camera to be factory installed.

Item # **BEFSSILRX.....74.95**

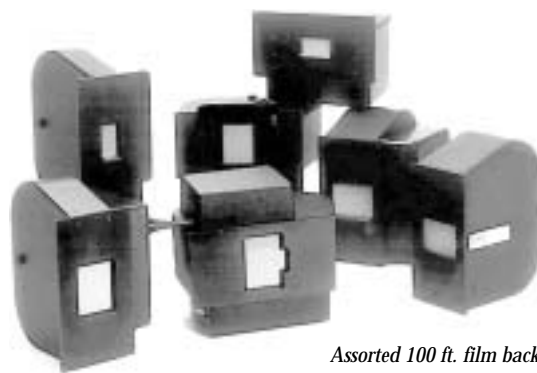


## FINDER ACCESSORIES

### Viewing Slide (17550)

Groundglass for viewing without film back. Fits in lieu of film back.

Item # **BEVS67E.....74.95**



Assorted 100 ft. film backs



## FILM BACKS

100 ft. precision cast aluminum film backs are secured with an easy on/off mechanism. They all feature a 3-digit film counter and can be used with daylight load spools or darkroom load cores. A signal from the film back disables the camera and triggers a warning light when the supply runs out. Film can be cut and removed in changing bags with partial use of the roll.

### D-56 Back (93329X)

Uses split 70mm film. Image area is 2.5 x 1.7".

Item # **BEFBD56LRX....709.95**

### D-56 Back (93329XI)

Uses split 70mm film. For camera with negative I.D. unit. Image area is 2.5 x 1.7".

Item # **BEFBIDD56LRX..709.95**

### F-80 Back (93328X)

Uses 46mm film. Image area is 1.63 x 2.25".

Item # **BEFBF8067E.....709.95**

### F-80 Back (93328XI)

Uses 46mm film. For camera with negative I.D. unit. Image area is 1.63 x 2.25".

Item # **BEFBIDF80LRX...709.95**

### C-55 Back (93324X)

Uses 35mm unperforated film. Image area is 1.26 x 1.7".

Item # **BEFBC55LRX....709.95**

### C-55 Back (93324XI)

Uses 35mm unperforated film. For camera with negative I.D. unit. Image area is 1.26 x 1.7".

Item # **BEFBIDC55LRX...709.95**

### C-48 Back (35067X)

Uses 35mm perforated film. For camera with negative I.D. unit. Image area is 1 x 1.5".

Item # **BEFBC48LRX....669.95**

### Polaroid Back (559000)

For Polaroid instant pack film. Uses 600 Series film

Item # **BEFBPLRX.....292.50**

Above systems are also available in 220 volt AC. Add.....67.50



## BODY ACCESSORIES

### Camera Rotator (557000)

A horizontal/vertical camera rotator that fits snugly to the base and side of the camera. It will rotate around its optical axis and will click into place.

Item # **BECRLRX.....304.95**

### Shutter Trip Cable (81000)

Replacement.

Item # **BECRLRXQ.....89.95**

### Camera To Film

Back Cable (5549100)  
Replacement.

Item # **BECMCLRX.....44.95**

Power Cable with Fuse (5549000)  
Replacement.

Item # **BEPC67E.....44.95**

### Sync Cable with Fuse (5549200)

Replacement.

Item # **BESCLRX.....48.95**



## CASES

### Heavy Duty Shipping/ Carrying Case (180781)

Item # **BECM.....241.95**

We are on the web at: <http://www.bhphotovideo.com>

# MAMIYA

## 645 PRO 6x4.5 SYSTEM

Since 1975, when Mamiya introduced the world's first 6x4.5 SLR, it has set the standards for value and simplicity. The 6x4.5cm rectangular format was chosen because it uses 120 and 220 film more efficiently. The Mamiya 645 Pro Kits set a new standard of quality, reliability and versatility with interchangeable backs, finders, grips and screens. Both Mamiya 645 Pro kits include a 645 Pro body, an 80mm f/2.8 lens, a 120 film back and either an AE Reflex Finder, or a Prism Finder, depending upon which system you choose. These systems are perfect for advanced amateurs and demanding professional photographers.



Mamiya 645 Pro with waist-level finder and 80mm lens

MEDIUM FORMAT

57

### FEATURES

- **Interchangeable components and ease-of-handling**
- **Depth-of-field preview in aperture priority and manual modes**
- **Can be held on its side for vertical shooting**
- **Choice of 3 leaf shutter lenses and 2 winders**
- **Bright viewfinders**

**645 Pro Body SVX-P Kit (211-090)**  
645 Pro body, with 80mm f/2.8 lens, 120 film back, Pro Prism Finder, type E screen, crank, front threaded cable release adapter, battery and neck strap.

Item # **MA645SVXPK .....1,999.00**

**645 Pro Body SV Kit (211-100)**  
645 Pro body, with 80mm f/2.8 lens, 120 film back, type E screen, crank, front threaded cable release adapter, battery, and neck strap. It includes the AE Reflex Finder FK402, which is an LED meter with a built-in  $\pm 5$  diopter adjustment and a rubber eyecup. This finder features aperture priority AE at 8 sec. -  $\frac{1}{1000}$  sec, and manual at 4 sec. -  $\frac{1}{1000}$  sec.

Item # **MA645SVK.....2,599.00**

### 645 PRO SPECIFICATIONS

#### TYPE:

6 x 4.5cm format (2 1/4 x 1 1/2") electronically controlled focal-plane shutter SLR camera system with interchangeable lens, film back, finder and focusing screen

#### LENS MOUNT:

Mamiya M645 bayonet mount

#### FILM ADVANCE:

Film winding crank; single turn; Optional power drive for automatic handling

#### VIEWFINDER:

Interchangeable finder system; 94% of actual field-of-view

#### FOCUSING SCREEN:

Interchangeable type; standard screen is Rangefinder Spot/Micropism

#### MIRROR LOCK-UP:

Possible with lever on body

#### LENS DIAPHRAGM:

Fully automatic instant reopening diaphragm action; stops down to working aperture immediately prior to exposure

#### SHUTTER:

Electronically controlled horizontal focal-plane shutter; shutter speeds 4 -  $\frac{1}{1000}$  Sec. + B, T. (8 -  $\frac{1}{1000}$  second with Pro AE Prism Finder)

#### FILM BACK:

Daylight loading; interchangeable type; exclusive film backs for 120, 220 and 135 roll film and Polaroid pack film

#### FILM:

120 (15 exp.) and 220 (30 exp.) roll film, 35mm film and Polaroid pack film with exclusive film backs for each type

#### FLASH SYNCHRONIZATION:

X-terminal plus hot shoe (all speeds to  $\frac{1}{60}$  sec.)

#### FLASH:

Via PC socket or hot shoe

#### BATTERY CHECK:

Battery check button indicates residual battery capacity in 3 stages

#### BATTERY:

Uses PX28 silver oxide, PX28L lithium, 4LR44 alkaline or equivalent 6V battery

#### DIMENSIONS:

4.9 x 4 x 4.9" (124 x 102.5 x 124mm) W.H.D. (body with 120 film back)

#### WEIGHT:

34.6 oz. (980g) with 120 film back

Subject to change without notice



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# MAMIYA

## 645 PRO TL 6x4.5 SYSTEM

MEDIUM FORMAT

58

*The Mamiya 645 Pro TL is identical to the 645 Pro with the addition of TTL/OTF flash automation. This produces perfect flash exposure with compatible flash units and the Mamiya SCA 396 adapter. The Pro TL accepts all 645 Pro lenses, backs and most of its accessories.*

*The 6x4.5 format is about 2.7 times larger than 35mm, producing negatives and slides in perfect proportion to the 8 x 10 format.*

*With the handling ease of a 35mm camera coupled with its light weight, the Mamiya 645 Pro TL is perfect for demanding pros and advanced amateurs who demand quality, reliability and versatility.*



*Mamiya  
645 Pro TL  
with waist-level  
finder and  
80mm lens*

### FEATURES

- TTL flash compatibility with Metz handle shoe-mount flashes
- Large choice of focusing screens
- Accepts Polaroid back
- Accepts a 35mm film back with a panorama adapter
- TTL spot and average metering with optional AE prism finder

**645 Pro TL Body (211-110)**  
With Type E focusing screen, winding crank, electronic cable release adapter, 6v battery, front, rear and top protective covers and neck strap.  
**Item # MA645PTL .....1,599.00**

### 645 PRO TL SPECIFICATIONS

#### TYPE:

6 x 4.5cm format (2 1/4 x 1 1/2")  
electronically controlled focal-plane shutter SLR camera system with interchangeable lens, film back, finder and focusing screen

#### LENS MOUNT:

Mamiya M645 bayonet mount

#### FILM ADVANCE:

Film winding crank; single turn; Optional power drive for automatic handling

#### VIEWFINDER:

Interchangeable finder system; 94% of actual field-of-view

#### FOCUSING SCREEN:

Interchangeable type; standard screen is Rangefinder Spot/Micropism

#### MIRROR LOCK-UP:

Possible with lever on body

#### LENS DIAPHRAGM:

Fully automatic instant reopening diaphragm action; stops down to working aperture immediately prior to exposure

#### SHUTTER:

Electronically controlled horizontal focal-plane shutter; shutter speeds 4-1/1000 sec. + B, T. (8-1/1000 second with Pro AE Prism Finder)

#### FILM BACK:

Daylight loading; interchangeable type; exclusive film backs for 120, 220 and 135 roll film and Polaroid pack film

#### FILM:

120 (15 exp.) and 220 (30 exp.) roll film, 35mm film and Polaroid pack film with exclusive film backs for each type

#### FLASH SYNCHRONIZATION:

X-terminal plus hot shoe (all speeds to 1/60 sec.)

#### FLASH:

Via PC socket or hot shoe + TTL center weighted OTF system with dedicated electronic flash units with SCA396 system adapter

#### BATTERY CHECK:

Battery check button indicates residual battery capacity in 3 stages

#### BATTERY:

Uses PX28 silver oxide, PX28L lithium, 4LR44 alkaline or equivalent 6V battery

#### DIMENSIONS:

4.9 x 4 x 4.9"  
(124 x 102.5 x 124mm)  
W.H.D.  
(body with 120 film back)

#### WEIGHT:

34.7 oz. (985g)  
with 120 film back

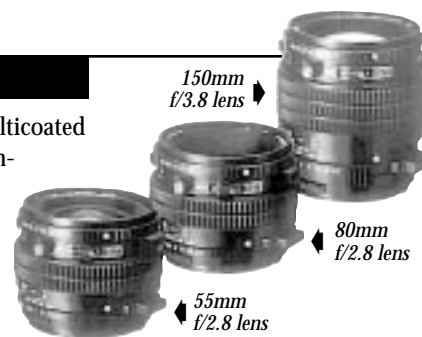
*Subject to change without notice*





## MAMIYA 645 LENSES

Mamiya world-class lens quality is a major reason for the great reputation of Mamiya cameras. Multicoated and assembled in precision mounts, the lenses offer maximum performance. From the 24mm fish-eye to the 500mm telephoto, Mamiya lenses offer excellent intrinsic contrast, high resolution, rich color saturation, and clear definition. Mamiya also offers 3 lenses that have built-in leaf shutters with speeds from  $\frac{1}{50}$  to  $\frac{1}{500}$  sec. which offer sync flash at all speeds. The leaf shutter function can be switched off, if focal plane shutter exposures are desired. On these lenses, micromotors are featured, which makes the shutter cocking automatic when using the Power Drive Grip II.



### Wide Angle

#### 24mm f/4

**Fish-Eye** (210-200)

With case; hood not required.

**Item # MA244645 .....2,115.00**

#### 35mm f/3.5

(210-201)

Hood not required.

**Item # MA3535645 ....1,029.00**

#### 45mm f/2.8

(210-202)

With hood.

**Item # MA4528645.....839.00**

#### 50mm f/4 Shift

(210-203)

With cable release adapter;

hood not required.

**Item # MA504S645 ....1,399.00**

#### 55mm f/2.8

(210-204)

With hood.

**Item # MA5528645.....665.00**

#### 55mm f/2.8

**Leaf Shutter** (210-234)

With hood.

**Item # MA5528S645 ..1,619.00**

### Standard

#### 80mm f/1.9

(210-206)

With hood.

**Item # MA8019645.....665.00**

#### 80mm f/2.8

(210-207)

With hood.

**Item # MA8028645.....499.00**

#### 80mm f/2.8 Leaf Shutter

(210-233)

Offers speeds from 1/30 to 1/500 sec. If focal plane length shutter

exposures are desired, the leaf-shutter function can be switched off.

Shutter cocking is automatic when used with Power Drive Grip.

**Item # MA8028S645 .....1,299.00**

#### 80mm f/4 Macro

(210-208)

Hood not required.

**Item # MA804M645 ...1,055.00**

*Lenses continue on next page*

### SPECIFICATIONS OF MAMIYA 645 LENSES

Lens	24mm	35mm	45mm	50mm Shift	55mm	55mm L.S.	80mm f/1.9	80mm f/2.8	80mm L.S.	80mm Macro	120mm Macro
Aperture Range f.	4-22	3.5-22	2.8-22	4-32	2.8-22	2.8-22	1.9-22	2.8-22	2.8-22	4-22	4-32
Angle of View	180°	90°	76°	70°	65°	65°	47°	47°	47°	47°	33°
Lens Construction	8G, 10E	7G, 9E	7G, 9E	8G, 10E	6G, 8E	6G, 8E	6G, 7E	5G, 6E	5G, 6E	4G, 6E	8G, 9E
Minimum focusing with standard rail	1' (.3m)	1.5' (.45m)	1.5' (.45m)	1.5' (.45m)	1.5' (.45m)	1.5' (.45m)	2.2' (.7m)	2.2' (.7m)	2.6' (.8m)	1.2' (.37m)	1.32' (.40m)
Weight	27.7 oz. (785g)	15.7 oz. (445g)	16.8 oz. (475g)	25.9 oz. (735g)	10.7 oz. (305g)	17 oz. (520g)	14.8 oz. (420g)	7.7 oz. (235g)	15.2 oz. (460g)	20.6 oz. (585g)	26oz. (745g)
Length	3.2" (82mm)	2.4" (61mm)	2.8" (70mm)	4.2" (105mm)	2.3" (59mm)	2.3" (59mm)	2.3" (59mm)	1.7" (43mm)	2.3" (59mm)	3" (75mm)	4.3" (111mm)
Equivalent Focal Length in 35mm Format	18mm	22mm	28mm	31mm	34mm	34mm	50mm	50mm	50mm	50mm	73mm
Filter Size	B.I	77mm	67mm	77mm	58mm	67mm	67mm	58mm	67mm	67mm	67mm

*Subject to change without notice*

### SPECIFICATIONS OF MAMIYA 645 LENSES

Lens	150mm f/2.8	150mm f/3.5	150mm L.S.	200mm APO	210mm	300mm	300mm APO	500mm	500mm APO	55-110mm	105-210mm
Aperture Range f.	2.8-22	3.5-32	3.8-32	2.8-22	4-32	5.6-32	2.8-32	5.6-45	4.5-32	4.5-32	4.5-32
Angle of View	26°	26°	26°	20°	19°	13°	13°	8°	8°	65°-35°	36°-19°
Lens Construction	4G, 6E	5G, 5E	5G, 5E	5G, 7E	4G, 5E	5G, 6E	8G, 9E	5G, 6E	9G, 11E	10G, 11E	11G, 13E
Minimum Focusing	5' (1.5m)	5' (1.5m)	5' (1.5m)	8.2' (2.5m)	8' (2.5m)	15' (4m)	11.5' (3.5m)	30' (9m)	16' (5m)	5' (1.5m)	6' (1.8m)
Weight	26.1 oz. (740g)	14.6 oz. (415g)	20.1 oz. (620g)	38.8 oz. (1100g)	25.2 oz. (715g)	25 oz. (710g)	93.8oz. (2660g)	80.4 oz. (2280g)	190 oz. (5410g)	28.2 oz. (800g)	30.8 oz. (875g)
Length	4.2" (107mm)	3.1" (80mm)	3.2" (81mm)	5.6 (1435mm)	5.4" (137mm)	6.4" (164mm)	9.3" (237mm)	14" (358mm)	14.9" (378mm)	4" (104mm)	6.2" (158mm)
Equivalent Focal Length in 35mm Format	93mm	93mm	93mm	124mm	130mm	186mm	186mm	310mm	310mm	34-68mm	65-130mm
Filter Size	67mm	58mm	67mm	77mm	58mm	58mm	43.5mm rear	105mm	43.5mm rear	67mm	58mm

*Subject to change without notice*

# MAMIYA

## 645 PRO SERIES

MEDIUM FORMAT

60



### MAMIYA 645 LENSES, continued

#### Telephoto

120mm f/4 Macro (210-227)  
With built-in hood.  
**Item # MA1204A645...1,499.00**

150mm f/2.8 (210-237)  
With built-in hood.  
**Item # MA15028645...1,469.00**

150mm f/3.5 (210-211)  
With built-in hood.  
**Item # MA15035645...599.00**

150mm f/3.8  
Leaf Shutter (210-232)  
With hood.  
**Item # MA15038S645...1,589.00**

200mm f/2.8 APO (210-226)  
With built-in hood.  
**Item # MA20028A645.2,549.00**

210mm f/4 (210-212)  
With built-in hood.  
**Item # MA2104645.....699.00**

300mm f/5.6 (210-213)  
With built-in hood.  
**Item # MA30056645...1,329.00**

300mm f/2.8 APO (210-221)  
With built-in hood.  
**Item # MA30028A645.12,239.00**

500mm f/5.6 (210-214)  
With built-in hood.  
**Item # MA50056645...2,395.00**

500mm f/4.5 APO (210-238)  
With built-in hood.  
**Item # MA50045A645.....18,359.00**

#### Tele-Converter

2x Teleconverter (210-219)  
For 145-500mm telephoto lenses.  
**Item # MA2X645 .....739.00**

#### Zoom

55-110mm f/4.5 (210-218)  
With hood.  
**Item # MA5511045645.1,829.00**

105-210mm f/4.5 (210-216)  
With built-in hood.  
**Item # MA1052104564.1,699.00**



#### VIEWFINDERS

Waist-Level/Sports Finder (211-310)  
Standard reversed viewfinder image, with a central magnifier for fine focusing assistance. The focusing hood shields the image from stray reflections. Converts to sports finder for 80mm standard lens. Supplied with mask for 110, 150 and 210mm lenses.  
**Item # MAFWL645P.....149.00**

Pro Prism Finder (211-316)  
With cap, eyecup and case. Incorporates a dual prism to provide an unreversed, laterally correct image. For action and general purpose, particularly when frequent shifts between vertical/horizontal formats are required. Allows fine focusing accuracy with any of the interchangeable focusing screens.  
**Item # MAFP645P .....529.00**

Pro AE Prism Finder (211-315)  
With cap, eyecup and case. Offers aperture priority auto exposure control, usable with all 645 Pro lenses and features an AE lock for tricky exposure. Three-way mode metering can be set for either spot or average metering, or you can leave the selection of spot/average metering up to the finder.  
**Item # MAFAE645P.....999.00**

SV AE Reflex Finder (211-102)  
Provides TTL center-weighted, aperture-priority AE. The finder uses LEDs that light or blink to indicate shutter speeds. Can be used in manual mode. Built-in diopter, range  $\pm 5$ .  
**Item # MAFAESV645P...529.00**



### FILM BACKS

Permits fast switching of film backs. Each film back incorporates a Film Speed Dial (ISO settings 25-6,400) which automatically interfaces through the optional AE Prism Finder with the camera shutter and lens diaphragm to assure correct exposures. The dark slide is not detachable from the film back when it is removed from the camera, and the film back cannot be removed from the camera without first inserting the dark slide.

Pro 120 Film Back with Insert (211-418)  
15 exposures.  
**Item # MAFB120645P...429.00**

Pro 220 Film Back with Insert (211-419)  
30 exposures.  
**Item # MAFB220645P...429.00**

120 Film Insert (210-400)  
15 exposures. Replacement for 211-418. Also for discontinued 645J, 645, and 645-1000S.  
**Item # MAI120645.....91.95**

220 Film Insert (210-401)  
30 exposures. Replacement for 211-410. Also for discontinued 645J, 645, and 645-1000S.  
**Item # MAI220645.....91.95**

35mm Film Back with Insert and Panoramic Adapter (211-417)  
Using standard 35mm film cartridges, this back produces 24 x 36mm frames. The Panoramic Adapter set, which includes a special focusing screen and masking slide, creates 13 x 36mm panoramic images of impressive quality.  
**Item # MAFB35P645P...569.00**

35mm  
Film Back  
(211-417).  
Also shown  
with  
Panoramic  
Adapter Slide  
attached



Literature Available Upon Request



300mm  
f/2.8 APO  
lens  
(210-221)



## FOCUSING SCREEN

### FOR 645 PRO AND SUPER

Mamiya offers six different focusing screen to suit a wide range of photographic objectives, lenses and subjects.

#### Matte (A) (211-340)

All matte with fresnel lens. Shows a clear and bright image. Ideal for portraiture and sport shots.

**Item # MAFSM645S.....44.00**

#### Checker (A4) (211-341)

Matte screen with a fresnel lens and sectional grid. For accurate horizontal and vertical alignment with applications in copy work, architectural and close-up photography.

**Item # MAFSC645S.....44.00**

#### Rangefinder Spot (B) (211-342)

Matte screen with fresnel lens and split-image center. Matte surface is for focusing, and split-image rangefinder boosts focusing precision.

**Item # MAFSS645S.....44.00**

#### Microprism (C) (211-343)

Matte screen with fresnel lens and microprism center. Aids in quick focusing.

**Item # MAFSMP645S....44.00**

#### Rangefinder

#### Microprism (E) (211-344)

Matte screen with fresnel lens and horizontal split-image center surrounded by microprism collar. Focusing is possible throughout the screen. (Replacement.)

**Item # MAFSRFMP645S.....44.00**

#### 135/Panorama (E) (211-407)

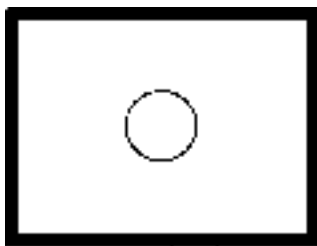
Supplied with 35mm film back. Identical to Rangefinder Microprism (E) but also has etched lines to show 35mm panoramic field-of-view.

**Item # MAFS135P645S.....44.00**

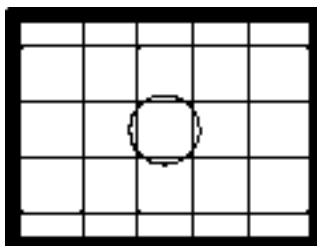
#### Tweezer (211-346)

Designed to easily install focusing screens without damaging them.

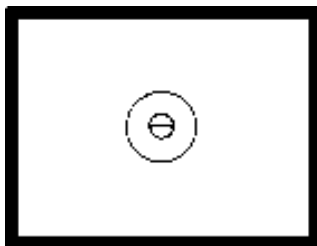
**Item # MATFP .....9.95**



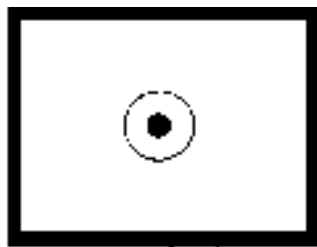
Matte (211-340)



Checker (211-341)



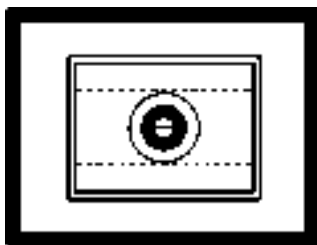
Rangefinder Spot (211-342)



Microprism (211-343)



Rangefinder Microprism (211-344)



135/Panorama (211-407)



## BODY ACCESSORIES

### Power Drive Grip 2 (211-431)

Automated film advance and shutter cocking (for leaf shutter lenses) at a rate of one frame every 0.8 sec. The electro-magnetic shutter release can be set for single frame or continuous shooting as well as remote control operation. Lock position protects against accidental shutter release. Also features a first frame film feed mechanism, winding stop and battery check. Requires 6AA batteries.

**Item # MAPDG2645P....549.00**

### Lens Connector Cable (211-436)

For Power Drive Grip 2. (Replacement.)

**Item # MACLCPDG645P.49.95**

### Extended Lens

### Connector Cable (211-437)

For use with extension tubes.

**Item # MAELCC645.....76.95**

### Power Supply

### for Power Drive Grip 2 (212-622)

AC power supply eliminates the need to change batteries.

**Item # MAACAW2RZ....202.95**

### Power Drive Grip WG402 for the 645 Pro SV Pack (211-103)

Ergonomic grip with 1 fps film transport. Uses one 2CR5 lithium battery which is good for approximately 130 rolls of film. (Manual cocking of leaf shutter lenses required.)

**Item # MAPDGSV645....249.00**

### Infrared Multi Channel

### Remote Control Set (212-607)

For use with Power Drive Grip 2. Consists of transmitter, camera mounted receiver, and connecting cord. Choice of three channels. 98 ft. operating range. Requires 2 AA and one 9v battery.

**Item # MARCIRS645P..544.95**

### Pro Left Hand Grip (211-427)

Features lockable electronic shutter release button, hot shoe and padded hand strap. The terminal adapter, which has a cable release socket, connects grip electrically to camera's PC outlet. Not for Polaroid back.

**Item # MAGLH645P.....225.00**



Power Drive Grip 2 (211-431)

### Terminal Adapter

### RA401 (211-428)

Connects Pro Left Hand Grip electrically to camera's PC outlet. (Replacement.)

**Item # MARA401C645P..29.95**

### RA402 Connector

### for TL (211-115)

For Pro Left Hand Grip only.

**Item # MARA402C645P..29.95**

### Pistol Grip (210-412)

For discontinued M645. The built-in trigger-type shutter release button couples to the shutter release mechanism of the camera.

**Item # MAGP645 .....89.00**

### Grip Holder (210-413)

For discontinued M645 and C220. Lightweight grip, complete with accessory shoe.

**Item # MAGH645 .....48.50**

### Pro Flip Bracket (211-202)

Features the Pro Left Hand Grip combined with a sturdy aluminum frame from Stroboframe for placing the flash over the lens. Bracket swivels for correct flash orientation when camera is rotated from horizontal to vertical.

**Item # MABCP645.....269.95**

### Interchangeable

### Flash Adapter (215-402)

Handle-type flash mount. For the Ceaser Pro Flash Bracket.

**Item # MAFMH .....16.95**

### Interchangeable

### Flash Adapter (215-404)

Shoe-type flash mount. For the Ceaser Pro Flash Bracket.

**Item # MAFMS .....11.95**

*Body Accessories continued on next page*



# MAMIYA

## 645 PRO SERIES

MEDIUM FORMAT

62

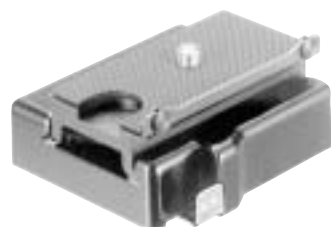


### BODY ACCESSORIES, continued

**Interchangeable Flash Adapter** (215-416)  
Metz flash mount. For the Pro Flip Bracket.  
**Item # MAFMM.....21.95**

**Front Threaded Cable Release Adapter** (211-429)  
**Item # MACRA645.....36.95**

**Shutter Release Cable** (211-433)  
Electromagnetic. 3 ft.  
**Item # MACR3645S.....72.95**



Quick-Shoe Model 3 (211-571)

**Shutter Release Cable** (211-434)  
Electromagnetic. 12 ft.  
**Item # MACR13645S.....95.00**

**Quick-Shoe Model 3** (211-571)  
For fast camera mounting onto a tripod.  
**Item # MAQS3645.....219.95**

**Tripod Adapter N** (211-514)  
To mount camera with Polaroid Film Back.  
**Item # MATAN645.....42.95**

**Tripod Adapter N2** (211-512)  
Same as Tripod Adapter N with anti-swivel pins.  
**Item # MATAN2645.....79.95**

**Revolving Camera Stage** (211-580)  
For changing from horizontal to vertical format, keeping lens on axis.  
**Item # MACS645.....549.00**

**Film Wind Crank** (211-511)  
For Pro and Super. (Replacement.)  
**Item # MAWC645P.....39.95**

**Neck Strap** (211-510)  
Replacement. For Pro and Super.  
**Item # MASN645P.....37.95**

**Wrist Strap** (211-430)  
For Pro and Super Power Drive.  
**Item # MASW645P.....23.95**

**Back Body Cap** (211-515)  
For Pro and Super.  
**Item # MABCB645P.....4.95**

**Top Body Cap** (211-516)  
For Pro and Super.  
**Item # MABCT645P.....4.95**

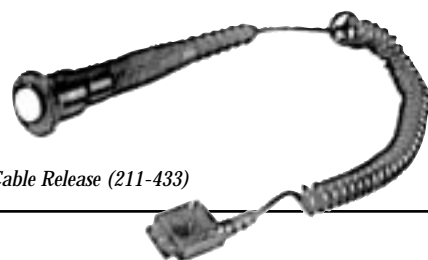
**Top Body Cap** (210-507)  
For M645.  
**Item # MABCT645.....7.95**

**Front Body Cap** (210-506)  
For all 645 cameras.  
**Item # MABC645.....7.95**

**External Battery Case** (210-512)  
For cold temperature operation. Permits camera battery to be carried conveniently inside clothing. Connects by wire to camera's battery chamber. For 645 Pro and Super.  
**Item # MABCE645P.....69.95**

**Support Plate** (210-513)  
For External Battery Case.  
**Item # MASTP645.....17.95**

**Carbon Fiber Monopod** (213-540)  
Multi-layer diagonal carbon fiber construction. Standard 1/4" tripod socket. Expands to 59". Contacted length 19.6". Weighs 13 oz. With wrist strap and long rubber grip.  
**Item # MAMP.....279.95**



Shutter Cable Release (211-433)



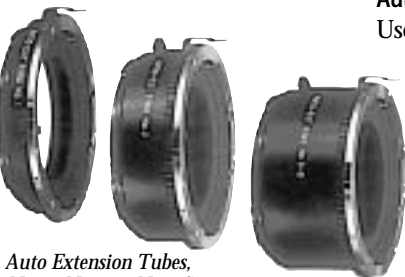
### LENS ACCESSORIES

With a full range of Auto Extension Tubes, Bellows and Lens Hoods, Mamiya allows the photographer maximum creativity in all types of photographic situations.

#### Auto Extension Tubes

Designed for use with 80mm f/1.9 and 80mm f/2.8 lenses; diaphragm automation and meter coupling are retained. Combining all three with either 80mm lens allows full 1:1.

**Auto Extension Tube No. 1** (210-250)  
Extends lens 11.8mm from body.  
**Item # MAETA1645.....119.00**



Auto Extension Tubes, No. 1, No. 2, & No. 3S

**Auto Extension Tube No. 2** (210-251)  
Extends lens 23.6mm from body.  
**Item # MAETA2645.....129.00**

**Auto Extension Tube No. 3S** (210-252)  
Extends lens 35.4mm from body.  
**Item # MAETA3645.....139.00**

**Auto Macro Spacer** (210-253)  
Used with the 80mm f/4.0 Macro lens. Auto macro spacer allows close-up photography from one half to life-size reproduction. Diaphragm automation and meter coupling widen its versatility.  
**Item # MAMSTA645...144.00**

#### Automatic Bellows

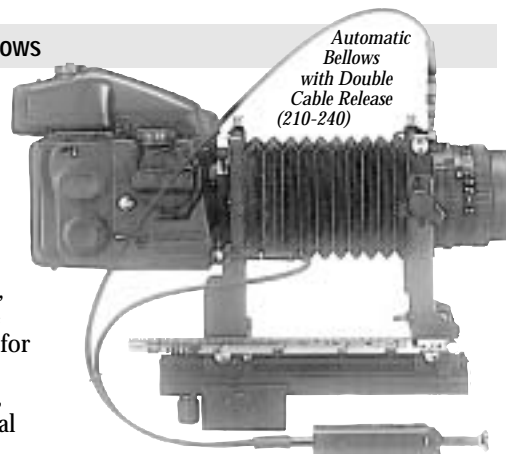
**Automatic Bellows** (210-240)  
Precision close-up device with scale and double case release. The ultimate tool for macrophotography, with several unique and useful features for depth-of-field and perspective control, horizontal to vertical rotation, and more.  
**Item # MABA645P.....1,249.00**

**Camera Mounting Ring** (211-251)  
To attach Auto Bellows to 645 Pro or Super.  
**Item # MACMR645P.....107.95**

**58mm Reversing Ring** (210-243)  
For Auto Bellows. Permits reverse lens mounting for high magnification.  
**Item # MARR58645.....49.50**

**67mm Reversing Ring** (210-244)  
For Auto Bellows. Permits reverse lens mounting for high magnification.  
**Item # MARR67645.....49.50**

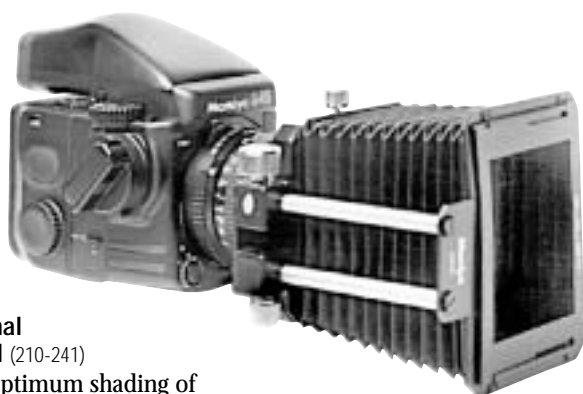
**Balloon Bellows** (210-247)  
Facilitates shifts and tilts which are difficult with an ordinary bellows at short extensions. (Limited availability.)  
**Item # MABB645.....79.00**





## Professional Lens Hood

*Professional Lens Hood shown on 645 Pro with Prism finder, 120 Back, 80mm lens, and Adapter Ring 58.*



## Professional Lens Hood (210-241)

Provides optimum shading of the lens. Attaches to the front accessory thread of 645 series lenses. Rack and pinion base rail permits continuous extension for maximum stray light prevention. With adapters for 58 and 67mm lenses. Freely adjustable for use with 55mm to 300mm lenses. Slot for 3" gelatin filters. Weighs 310g. **Item # MABLH645.....215.00**

## 67mm Connecting Ring (210-246)

To attach Professional Lens Hood to back of reversed lens when used for greater magnification. **Item # MACR67645 .....82.95**

## 58mm Connecting Ring (210-245)

To attach Professional Lens Hood to back of reversed lens when used for greater magnification. **Item # MACR58645 .....66.50**

## Adapter Ring 58 (210-248)

For 58mm  $\emptyset$  lenses. (Replacement.) **Item # MAAR58BLH645 ....29.95**

## Adapter Ring 67 (210-249)

For 67mm  $\emptyset$  lenses. (Replacement.) **Item # MAAR67BLH645 ....29.95**

## Filters

77mm  $\emptyset$  UV Filter (213-530)

**Item # MAUV77 .....67.50**

77mm  $\emptyset$  Skylight Filter (213-531)

**Item # MASL77 .....78.95**

77mm  $\emptyset$  Polarizer Filter (213-532)

**Item # MAP77 .....97.95**

## Lens Caps

Lens Cap (210-263)  
For 24mm fisheye lens.  
(Replacement.)

**Item # MALC24645Q .....17.95**

Lens Cap (210-260)  
For 58mm  $\emptyset$  size.  
(Replacement.)

**Item # MALC58645 .....7.95**

Lens Cap (210-261)  
For 67mm  $\emptyset$  size.  
(Replacement.)

**Item # MALC67645 .....7.95**

Lens Cap (213-361)  
For 77mm  $\emptyset$  size.  
(Replacement.)

**Item # MALC77RZ .....5.95**

Lens Cap (213-364)  
For 105mm  $\emptyset$  size.  
(Replacement.)

**Item # MALC105645 .....38.95**

Rear Lens Cap (210-265)  
For all 645 lenses.  
(Replacement.)

**Item # MALCR645 .....4.95**

## Lens Hoods

## Lens Hood (210-271)

For 55mm lens.  
(Replacement.)  
**Item # MALH55645 .....29.95**

Lens Hood (210-275)  
For 55mm & 80mm Leaf  
Shutter. (Replacement.)

**Item # MALH55S645 .....29.95**

## Lens Hood (210-270)

For 70mm lens.  
**Item # MALH70S645 .....27.95**

Lens Hood (210-272)  
For 80mm f/2.8 and 110mm  
lens. (Replacement.)

**Item # MALH80645 .....29.95**

## Lens Hood (210-273)

For 80mm f/1.9 lens. (Replacement.)  
**Item # MALH80645Q .....29.95**

## Lens Hood (210-274)

For 45mm f/2.8 lens.  
(Replacement.)  
**Item # MALH45645 .....29.95**

Lens Hood (213-369)  
For 145mm lens. (Replacement.)  
**Item # MALH145645 .....23.95**
Lens Hood (210-276)  
For 150mm Leaf Shutter.  
(Replacement.)  
**Item # MALH150S645 .....37.95**
Lens Hood (210-278)  
For 55-110mm lens.  
(Replacement.)  
**Item # MALH55110645 ...44.95**

Cable Release Adapter

Cable Release Adapter (211-429)

For 50mm shift lens. (Replacement.)  
**Item # MACRA645 .....36.95**

VIEWFINDER ACCESSORIES

Sportsfinder Mask 6x4.5 (211-360)

For prism finders. (Replacement.)  
**Item # MAMSF645645P ....13.95**

Sportsfinder Mask 35mm (211-362)

For prism finders. (Replacement.)  
**Item # MAMSF35645P ....17.95**

Angle Finder  
for Prism/AE Prism (211-364)

Attaches to Prism to make low angle, close-up and copy work more comfortable. Unlike the waist-level finder, it provides a right side up image and features click stops and a built-in diopter unit (-4 to +4).  
**Item # MAFA645P .....249.00**

Flip-Up Magnifier (211-367)

Attaches to 645 Pro and Super prism finders. Magnifies the central portion of the screen 2 times. After focusing it can be flipped over to confirm overall composition. Built-in -5 to +5 diopter. Weighs 1.8 oz. (50g)  
**Item # MAM645P .....169.95**

*Angle  
Finder for  
Prism/AE  
Prism  
(211-364)*

Universal  
Flip-Up Magnifier (211-368)  
Same as the Flip-Up Magnifier  
(211-367). Fits the 645 Pro and  
Super, as well as the 1000S,  
645 and 645J.

**Item # MAMU645 .....219.95**

Eyecup for Prism  
and AE Prism (211-363)  
For Pro and Super.  
(Replacement.)  
**Item # MAECPF645P .....23.95**

Bottom Cover (211-518)  
For Pro and Super prism finders.  
**Item # MACPF645PQ .....9.95**

Bottom Cover (210-514)  
For M645 prism finders.  
**Item # MACBVF645 .....7.95**

PHOTO - VIDEO - PRO AUDIO

THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

MEDIUM FORMAT

63

# MAMIYA

## 645 PRO

MEDIUM FORMAT

64



### VIEWFINDER ACCESSORIES, *continued*

#### Corrective Viewfinder Eyepieces

##### FOR PRO AND SUPER PRISM FINDERS

+3 Diopter (211-350) <i>Item # MADP3PF645S ....18.95</i>	-1 Diopter (211-353) <i>Item # MADM1PF645S ...18.95</i>
+2 Diopter (211-351) <i>Item # MADP2PF645P ....18.95</i>	-2 Diopter (211-354) <i>Item # MADM2PF645S ...18.95</i>
+1 Diopter (211-352) <i>Item # MADP1PF645S ....18.95</i>	-3 Diopter (211-355) <i>Item # MADM3PF645S ...18.95</i>

##### FOR M645 PRISM FINDERS

+3 Diopter (210-345) <i>Item # MADP3PF645 .....11.95</i>	-2 Diopter (210-341) <i>Item # MADM2PF645 .....11.95</i>
-1 Diopter (210-342) <i>Item # MADM1PF645 .....11.95</i>	-3 Diopter (210-340) <i>Item # MADM3PF645 .....11.95</i>

##### FOR WAIST-LEVEL FINDER

-1 Diopter (210-330) <i>Item # MADM1WLF645 ....18.95</i>	0 Diopter (210-333) <i>Item # MAD0WLF645 .....18.95</i>
-2 Diopter (210-331) <i>Item # MADM2WLF645 ....18.95</i>	+1 Diopter (210-334) <i>Item # MADP1WLF645 ..18.95</i>
-1.5 Diopter (210-332) <i>Item # MADM1.5WLF64...18.95</i>	+2 Diopter (210-335) <i>Item # MADP2WLF645 ..18.95</i>



### Pro TL TTL/OTF FLASH ACCESSORIES

The 645 Pro TL body comes with an SPD photoreceptor reading off the film surface at the bottom of the mirror box, sensitive metering circuitry and a six-pin input/output connector on the side of the body. When the flash fires, light passes through the lens and reflects off the surface of the film to the SPD photoreceptor. Special circuits measure the amount of light reaching the film and control signals are sent via the connector and the SCA adapter to the flash unit.

*Mamiya 645 Pro TL shown with the TL Flash Bracket AD, Double Shoe Mount Adapter, SCA Adapter 300E and Metz flash*



Flash output is instantly adjusted to the optimum level for a perfect exposure. This TTL flash output control system is designed to function at all shutter speeds from 1/60 to 4 seconds, making flash photography simpler and more reliable than ever before.



### CASES

#### Aluminum Compartment Case KM705 Small (219-581)

Sturdy duraluminum compartment case guarantees heavy-duty shock protection during long-distance travel, shipping or other rough handling. Holds camera and other major accessories. Complete with moveable dividers. Dimensions: 18 x 13.5 x 6.3" (460 x 344 x 160mm) WDH. Weighs 8.1 lbs. (3.7kg).  
*Item # MACAS.....322.00*

#### Aluminum Compartment Case KM706 Medium (219-582)

Same as above with dimensions of 19.8 x 14.6 x 7.2" (502 x 371 x 183mm) WDH. Weighs 10.8 lbs. (4.9kg).  
*Item # MACAM.....469.00*

#### Aluminum Compartment Case KM707 Large (219-583)

Same as above with dimensions of 24.2 x 14.6 x 7.2" (615 x 371 x 183mm) WDH. Weighs 12.6 lbs. (5.7kg).  
*Item # MACAL.....529.00*



#### Case for Film Back (211-409) For 120 or 220 back.

*Item # MACM645.....17.95*

#### Case for Insert (210-402) For 120 or 220 insert.

*Item # MACI645.....17.95*

#### Case A (210-220)

For 35, 45, 80, 150/3.5 lenses and 2x Tele-Converter.

*Item # MALPA645.....29.95*

#### Case B (210-230)

For 50, 55, 150, 210, and zoom lenses.

*Item # MALCB645.....29.95*

#### Case C (213-390)

For 24mm Fisheye.

*Item # MALC24645 .....44.95*

#### Case 500mm (210-294)

For 500mm lens.

*Item # MALC500645 .....66.50*

#### Soft Case (210-504)

For discontinued M645 1000S.

*Item # MAC6451000S .....53.95*

#### SCA Adapter 396

for Metz Flash (211-111)

*Item # MASCA396.....174.95*

#### SCA Adapter 300E

for Metz Shoe Mount (211-117)

Requires SCA-396.

*Item # MASCA300E.....57.50*

#### TL Left Hand Grip (211-112)

*Item # MAGLH645PTL ..224.95*

#### TL Flash Bracket AD (211-113)

*Item # MAB645PTL.....139.95*

#### TL Cable Release

Adapter (211-114)

*Item # MACRA645PTL ...36.50*

#### Double Shoe Mount

Adapter (211-116)

*Item # MADSA645PTL ...27.50*

### EXTENDED PROTECTION PLAN

3 Year Extended Warranty  
For cameras up to \$1000.

*Item # MAEWPC2.....49.95*

3 Year Extended Warranty  
For cameras over \$1000.

*Item # MAEWPC3.....59.95*

3 Year Extended Warranty  
For lenses up to \$500.

*Item # MAEWPL1 .....29.95*

3 Year Extended Warranty  
For lenses up to \$1000.

*Item # MAEWPL2 .....34.95*

3 Year Extended Warranty  
For lenses over \$1000.

*Item # MAEWPL3 .....49.95*

3 Year Extended Warranty  
For lenses over \$2000.

*Item # MAEWPL4 .....59.95*

*Dropped, misused, water, sand, or impact damaged equipment not covered.*

**Overnight Shipping Available**



# MAMIYA

## 6 MF 6 x 6 SYSTEM

Mamiya 6 MF  
shown with  
75mm f/3.5 lens

*The Mamiya 6 MF combines classic elegance with interchangeable lenses and the versatility of multi-format options. Using interchangeable in-camera masks, and the built-in Multi-Format frameline viewfinder, the Mamiya 6 MF permits the use of 120 or 220 roll film for traditional 6 x 6 and 6 x 4.5cm medium formats, or 54 x 24mm panoramic format using standard 35mm film. Composition through the viewfinder is fast and easy, and results on the film require no cropping in the darkroom to achieve the desired format effect. With the modern, light and compact body design, the Mamiya 6 MF is ideal for the creative photographer on the go.*



MEDIUM FORMAT

65

### FEATURES

- Includes 6x4.5 mask for 4x5 & 8x10 proportion
  - Aperture Priority automatic exposure control with exposure compensation or manual exposure
  - Compact, light-weight design, with retractable lens mount
  - Bright viewfinder with coupled, parallax corrected, wide base rangefinder
  - Selection of high performance interchangeable lenses
  - Shutter speed LED information is visible in the viewfinder
- 6 MF Camera (215-050)  
With 6x4.5 mask, body cap, neck strap, two 1.5V batteries.  
Item # MA6MF .....1,699.00
- 6 MF Camera Kit (2150)  
With 6x4.5 mask, body cap, neck strap, two 1.5V batteries, 75mm lens, and cap.  
Item # MA6MF7535 .2,796.00

### 6 MF SPECIFICATIONS

#### TYPE:

6 x 6cm format (2 1/4 x 2 1/4")  
electronically controlled  
rangefinder camera system  
with interchangeable lens

#### LENS MOUNT:

Mamiya 6 bayonet

#### FILM ADVANCE:

Film winding lever; single  
185° stroke

#### VIEWFINDER:

Built-in double-image  
bright viewfinder; full paral-  
lax correction for all lenses

#### LENS DIAPHRAGM:

In full stop increments

#### SHUTTER:

#00 electronic leaf shutter;  
shutter speeds B, 4 to 1/500  
second; electromagnetic  
release; provided with self-  
timer

#### FILM:

120 (12 exposures)  
or 220 (24 exposures)  
roll film by adjustment  
of pressure plate; and 35mm  
(20 exp. with 36 exp. film,  
12 exp. with 24 exp. film)  
with optional 35mm  
Panoramic Adapter Set.

#### FLASH

SYNCHRONIZATION:  
x-setting (all speeds)

#### FLASH:

Accepts standard electronic  
flash via top hot shoe or PC  
cord socket

#### METER:

Built-in; ISO range 25-1600,  
EV range 3.5-18 (ISO 100),  
±2EV in 1/2 stop intervals;  
indication via LEDs

#### SELF TIMER:

Visible LED on front of  
camera for 10 second delay

#### BATTERY CHECK:

Via blinking LED in  
viewfinder

#### BATTERY:

Uses two SR44 (silver  
oxide), two LR44 (alkaline)  
or equivalent batteries

#### DIMENSIONS:

6.1 x 4.3 x 2.7"  
(155 x 109 x 69mm)  
L.H.D.

#### WEIGHT:

31.7 oz. (900 g)

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



### MAMIYA LENSES

These high performance optics are specially designed with a short lens barrel to permit the advantage of the retractable lens mount.

Standard	Wide Angle
75mm f/3.5 (215-051) Supplied with lens hood. Item # <b>MA75356</b> ..... <b>1,299.00</b>	50mm f/4 (215-052) Supplied with lens hood. Item # <b>MA5046</b> ..... <b>1,599.00</b>

### Telephoto

150mm f/4.5 (215-053) Supplied with lens hood. Item # <b>MA150456</b> ..... <b>1,799.00</b>
---

### SPECIFICATIONS OF MAMIYA 6 MF LENSES

Lens	50mm	75mm	150mm
Aperture Range f.	4-22	3.5-22	4.5-32
Angle of View	75°	55°	30°
Lens Construction	5G, 8E	4G, 6E	5G, 6E
Minimum Focusing	3.5' (1m)	3.5' (1m)	6' (1.8m)
Weight	11.9 oz. (335g)	8.8 oz. (250g)	16.9 oz. (480g)
Length	2.7" (55mm)	1.7" (43mm)	2.8" (70mm)
Equivalent Length in 35mm Format	28mm	41mm	82mm
Filter Size	58mm	58mm	67mm

*Subject to change without notice*



### LENS ACCESSORIES

#### Close-Up Lens

**Auto Close-Up Lens** (215-054)  
For the 75mm f/3.5 lens. Can be quickly and easily mounted, coupled and removed from the camera lens and body.  
Item # **MACUA6**.....**489.00**



*Auto Close-Up Lens (215-054)*

#### Lens Hoods

**Lens Hood** (215-505)  
For 75mm lens.  
(Replacement)  
Item # **MALH807**.....**29.95**

**Lens Hood** (215-308)  
For 50mm lens.  
(Replacement)  
Item # **MALH506**.....**27.50**

**Lens Hood** (215-309)  
For 150mm lens. (Replacement)  
Item # **MALH1506**.....**27.50**

#### Lens Caps

**Front Lens Cap** (210-260)  
For 50mm and 75mm lenses.  
(Replacement)  
Item # **MALC58645**.....**7.95**

**Front Lens Cap** (210-261)  
For 150mm lens. (Replacement)  
Item # **MALC67645**.....**7.95**

**Rear Lens Cap** (215-304)  
For 50mm, 75mm and 150mm lens. (Replacement)  
Item # **MALCR6**.....**7.95**



### BODY ACCESSORIES

**35mm Panoramic Adapter** (215-057)  
For 54mm x 24mm images.  
Item # **MAPA6MF**.....**189.00**

**Tripod Adapter N** (211-514)  
Item # **MATAN6**.....**42.95**

**Neck Strap** (215-302)  
(Replacement.)  
Item # **MASN6**.....**33.50**



### FINDER ACCESSORIES

#### Corrective Viewfinder Eyepieces

**+3 Diopter** (211-350)  
Item # **MADP3PF645S** ....**18.95**

**+2 Diopter** (211-351)  
Item # **MADP2PF645S** ....**18.95**

**+1 Diopter** (211-352)  
Item # **MADP1PF645S** ....**18.95**

**-1 Diopter** (211-353)  
Item # **MADM1PF645S**...**18.95**

**-2 Diopter** (211-354)  
Item # **MADM2PF645S**...**18.95**

**-3 Diopter** (211-355)  
Item # **MADM3PF645S**...**18.95**



### FLASH ACCESSORIES

**Hot Shoe/PC Adapter** (215-070)  
Places an additional flash pin contact on the side of the camera.  
Item # **MAHSPCA6** .....**27.95**

**Stroboframe Pro T/M**  
**Flash Bracket** (310-807)  
Item # **STPTM6MF**.....**96.95**

**Interchangeable Flash Adapter** (215-402)  
Handle-type flash mount.  
Item # **MAFMH**.....**16.95**



### CASES

**Aluminum Compartment Case**  
**KM705 Small** (219-581)  
With moveable dividers.  
Dimensions: 18 x 13.5 x 6.3" (460 x 344 x 160mm) WDH.  
Weights 8.1 lbs. (3.7kg).  
Item # **MACAS**.....**322.00**

**Aluminum Compartment Case**  
**KM706 Medium** (219-582)  
Same as above, but 19.8 x 14.6 x 7.2" (502 x 371 x 183mm) WDH. Weights 10.8 lbs. (4.9kg).  
Item # **MACAM**.....**469.00**



**Mamiya Systems Book** (H645)  
Item # **HOMS**.....**29.95**

**Body Cap** (215-301)  
With battery storage compartment.  
Item # **MABC6** .....**19.95**

**Interchangeable Flash Adapter** (215-404)  
Shoe-type flash mount.  
Item # **MAFMS** .....**11.95**

**Interchangeable Flash Adapter** (215-416)  
Metz flash mount.  
Item # **MAFMM**.....**21.95**



*Soft Lens Pouch Type A (210-220)*

**Aluminum Compartment Case**  
**KM707 Large** (219-583)  
Same as above, but 24.2 x 14.6 x 7.2" (615 x 371 x 183mm) WDH. Weights 12.6 lbs. (5.7kg).  
Item # **MACAL**.....**529.00**

**Soft Lens Pouch Type A** (210-220)  
Takes any lens.  
Item # **MALPA645** .....**29.95**

# MAMIYA

## 7 6 x 7 SYSTEM

*Meet the Mamiya 7, the latest in a generation of versatile medium format rangefinders that combine elegance together with the versatility of four interchangeable lenses. The sleek Mamiya 7 features a bright parallax corrected rangefinder with auto indexed brightline frames for 65, 80 and 150mm lenses. The built-in Auto/Manual exposure system allows full flash sync speeds from 4 seconds to 1/500 second. And the large 6x7cm format produces superior detail and quality. The Mamiya 7 – a compact, quiet, versatile camera that will impress every pro and photo enthusiast.*



Mamiya 7 shown  
with 80mm f/4 lens

MEDIUM FORMAT

67

### FEATURES

- **Bright viewfinder with coupled, parallax corrected, wide base rangefinder**
  - **Built-in dark slide curtain permits changing of a lens in the middle of a roll of film**
  - **Aperture Priority automatic exposure control with exposure compensation or manual exposure**
  - **Selection of four high performance interchangeable lenses**
  - **Shutter speed LED information is visible in the viewfinder**
  - **Lightweight design with retractable lens mount**
- 7 Camera Body (215-030)**  
With body cap, neck strap, and two 1.5V batteries.  
**Item # MA7 .....1,849.00**
- 7 Camera Kit (215-000)**  
Mamiya 7 body, body cap, lens cap, neck strap, two 1.5V batteries, and an 80mm lens.  
**Item # MA7804 .....3,148.00**

### 7 SPECIFICATIONS

#### TYPE:

6 x 7cm format (2 3/4 x 2 3/4")  
electronically controlled  
rangefinder camera system  
with interchangeable lenses

#### LENS MOUNT:

Mamiya 7 bayonet

#### FILM ADVANCE:

Film winding lever; single  
185° stroke

#### VIEWFINDER:

Built-in double-image  
bright viewfinder; full  
parallax correction for 65,  
80, and 150mm lenses

#### LENS DIAPHRAGM:

In full stop increments

#### SHUTTER:

#00 electronic leaf shutter;  
shutter speeds B, 4 to 1/500  
second; electromagnetic  
release; provided with self-  
timer

#### FILM:

120 (10 exposures)  
or 220 (20 exposures)  
roll film by adjustment  
of pressure plate; and 35mm  
(16 exp. with 36 exp. film,  
10 exp. with 24 exp. film)  
with optional 35mm  
Panoramic Adapter Set.

#### FLASH

**SYNCHRONIZATION:**  
x-setting (all speeds)

#### FLASH:

Accepts standard electronic  
flash via top hot shoe or PC  
cord socket

#### METER:

Built-in; ISO range 25-1600,  
EV range 3-18 (ISO 100),  
±2EV in 1/2 stop intervals;  
indication via LEDs

#### SELF TIMER:

Visible LED on front of  
camera for 10 second delay

#### BATTERY CHECK:

Via blinking LED in  
viewfinder

#### BATTERY:

Uses two SR44 (silver  
oxide), two LR44 (alkaline)  
or equivalent batteries

#### DIMENSIONS:

6.3 x 4.4 x 2.7"  
(159 x 112 x 69mm)  
L.H.D.

#### WEIGHT:

32 oz. (920 g)

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0





## MAMIYA LENSES

### Wide Angle

65mm f/4 (215-033)  
Supplied with lens hood.  
**Item # MA6547 .....1,599.00**

43mm f/4.5 (215-032)  
With lens hood and optical viewfinder.  
**Item # MA43457 .....2,599.00**

Optical Viewfinder (215-501)  
Ultra-wide optical finder.  
Replacement for the 43mm lens.  
**Item # MAFO437 .....424.95**

### Standard

80mm f/4 (215-031)  
Supplied with lens hood.  
**Item # MA8047 .....1,299.00**

Close-up Adapter Kit (215-039)  
**Item # MACUAK807.....389.95**

### Telephoto

150mm f/4.5 (215-034)  
Supplied with lens hood.  
**Item # MA150457.....1,799.00**

Optical Viewfinder (215-509)  
For the 150mm f/4.5 lens.  
**Item # MAVF1507 .....219.95**



150mm f/4.5 Telephoto Lens (215-034)

## SPECIFICATIONS OF MAMIYA 7 LENSES

Lens	43mm	65mm	80mm	150mm
Aperture Range f.	4.5-22	4-22	4-22	4.5-32
Angle of View	92°	69°	58°	34°
Lens Construction	6G, 10E	5G, 8E	4G, 6E	5G, 6E
Minimum Focusing	3.5' (1m)	3.5' (1m)	3.5' (1m)	6' (1.8m)
Weight	13.8 oz. (390g)	13.4 oz. (380g)	10.2 oz. (290g)	18.3 oz. (520g)
Length	1.7" (42mm)	2.6" (65mm)	2.2" (56mm)	3.8" (96mm)
Equivalent Length in 35mm Format	21mm	32mm	39mm	71mm
Filter Size	67mm	58mm	58mm	67mm

Subject to change without notice



## LENS ACCESSORIES

### Lens Hoods

Lens Hood (215-505)  
For 80mm lens. (Replacement)  
**Item # MALH807 .....29.95**

Lens Hood (215-506)  
For 43mm lens. (Replacement)  
**Item # MALH437 .....29.95**

Lens Hood (215-507)  
For 65mm lens. (Replacement)  
**Item # MALH657 .....29.95**

Lens Hood (215-508)  
For 150mm lens. (Replacement)  
**Item # MALH1507 .....29.95**

### Lens Caps

Front Lens Cap (210-260)  
For 65mm and 80mm lenses.  
(Replacement)  
**Item # MALC58645 .....7.95**

Front Lens Cap (210-261)  
For 43mm and 150mm lenses.  
(Replacement)  
**Item # MALC67645 .....7.95**

Rear Lens Cap (215-502)  
For 80mm and 150mm lenses.  
(Replacement)  
**Item # MALCR807 .....7.95**

Rear Lens Cap (215-503)  
For 43mm and 65mm lenses.  
(Replacement)  
**Item # MALCR437 .....7.95**



## BODY ACCESSORIES

35mm Panoramic Adapter (215-035)  
For 65mm x 24mm images.  
**Item # MAPA357 .....189.00**

Tripod Adapter N (211-514)  
**Item # MATAN7 .....42.95**

Quick-Shoe Model 3 (211-571)  
For fast camera mounting onto a tripod.  
**Item # MAQS3645 .....219.95**

Neck Strap (215-302)  
(Replacement.)  
**Item # MASN6 .....33.50**



## FINDER ACCESSORIES

### Corrective Viewfinder Eyepieces

+3 Diopter (211-350)  
**Item # MADP3PF645S ....18.95**

+2 Diopter (211-351)  
**Item # MADP2PF645S ....18.95**

+1 Diopter (211-352)  
**Item # MADP1PF645S ....18.95**

-1 Diopter (211-353)  
**Item # MADM1PF645S...18.95**

-2 Diopter (211-354)  
**Item # MADM2PF645S...18.95**

-3 Diopter (211-355)  
**Item # MADM3PF645S...18.95**



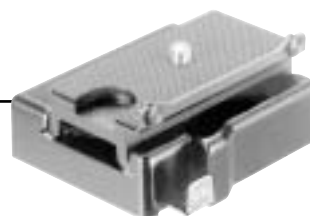
## CASES

Soft Lens Pouch  
Type A (210-220)  
Takes any lens.  
**Item # MALPA645 .....29.95**

Small Aluminum Case (219-581)  
With moveable dividers.  
Dimensions: 18 x 13.5 x 6.3"  
(460 x 344 x 160mm) WDH.  
Weighs 8.1 lbs. (3.7kg).  
**Item # MACAS .....322.00**

Medium Aluminum Case (219-582)  
Same as above, but 19.8 x 14.6 x 7.2"  
(502 x 371 x 183mm) WDH.  
Weighs 10.8 lbs. (4.9kg).  
**Item # MACAM .....469.00**

Large Aluminum Case (219-583)  
Same as above, but 24.2 x 14.6 x 7.2"  
(615 x 371 x 183mm) WDH.  
Weighs 12.6 lbs. (5.7kg).  
**Item # MACAL .....529.00**



Quick-Shoe Model 3 (211-571)

Body Cap (215-504)  
**Item # MABC7 .....7.95**

External Battery Holder (215-036)  
**Item # MABHE7 .....93.50**

Paper Slide Mounts (215-037)  
50 pieces. 24 x 65mm.  
**Item # MASM2465 .....29.95**



## FLASH ACCESSORIES

Hot Shoe/PC Adapter (215-070)  
Places an additional flash pin contact on the side of the camera.  
**Item # MAHSPCA6 .....27.95**

Stroboframe Pro T Bracket (310-807)  
**Item # STPTM6MF .....96.95**

Interchangeable Flash Adapter (215-402)  
Handle-type flash mount.  
**Item # MAFMH .....16.95**

Interchangeable Flash Adapter (215-404)  
Shoe-type flash mount.  
**Item # MAFMS .....11.95**

Interchangeable Flash Adapter (215-416)  
Metz flash mount.  
**Item # MAFMM .....21.95**



# MAMIYA

## RB67 PRO SD 6x7 SYSTEM

*The RB67 Pro SD incorporates the innovative revolving back system – a system that enables the back of the 6 x 7 format SLR to be rotated 90° to change from vertical or horizontal format without changing the camera position. The large lens mount, built-in bellows focusing down to 7½", increased lens precision, coupled with an extended range of interchangeable lenses, has significantly increased the versatility of the Pro SD. With its futuristic design and multifaceted features, the Pro SD is poised to meet the most exacting demands of the serious professional.*



Mamiya  
RB-67 Pro SD  
shown with  
90mm f/3.5  
K/L Lens,  
and  
waist-level  
finder

MEDIUM FORMAT

69

### FEATURES

- Bellows focusing system permits close up work without special attachments
- Lens shutter system suitable for electronic flash photography
- Revolving back permits horizontal or vertical format photography without changing camera position
- Double-exposure prevention and multi-exposure capability
- Large lens mount for increased lens versatility

#### RB67 Pro SD Body (301-010)

With waist-level finder, matte screen, detachable revolving back adapter, neck strap, front body cap, and rear body cap.

Item # MARB67SD.....1,449.00

#### RB67 Pro SD Outfit (301-0)

Pro SD body with 90mm lens and 120 film back.

Item # MARB67SD90K.....3357.00

### RB67 PRO SD SPECIFICATIONS

#### TYPE:

6 x 7cm format (2¼ x 2¾")  
lens shutter single lens reflex  
camera system with rack  
and pinion focusing,  
interchangeable lens,  
film back, finder and  
focusing screen

#### LENS MOUNT:

Breech lock mount  
with safety lock ring

#### FILM ADVANCE:

Film winding lever;  
one stroke  
(After 70° advance,  
lever can be advanced in  
short strokes)

#### VIEWFINDER:

Interchangeable finder  
system; magnification 1.51x.  
(Standard is waist-level  
finder)

#### FOCUSING SCREEN:

Interchangeable type;  
(Standard is matte with  
fresnel lens)

#### MIRROR LOCK-UP:

Possible with optional  
double cable release  
(213-461)

#### MULTIPLE EXPOSURE:

Possible with single stroke  
of shutter cocking mecha-  
nism without film advance

#### LENS DIAPHRAGM:

Fully automatic; half stop  
increments; full depth-of-  
field preview

#### SHUTTER:

Seiko #1 mechanical  
leaf shutter;  
T, B, 1-1/400 second.  
Single 75° stroke of shutter  
cocking lever cocks shutter  
and mirror

#### FILM BACK:

Daylight loading,  
interchangeable type;  
exclusive film backs for  
120 and 220 roll film,  
70mm perforated,  
double cut film and  
Polaroid pack film.  
Back revolves 90° to  
change from horizontal  
to vertical format

#### FILM:

120 (10 exposures) and 220  
(20 exposures) roll film in 6  
x 7cm; 120 (9 exposures)  
and 220 (18 exposures) roll  
film in 6 x 8cm; 120 (15  
exposures) and 220 (30  
exposures) roll film in 6 x  
4.5cm; 70mm double perfo-  
rated film; 6 x 9 sheet film  
and Polaroid pack film

#### FLASH SYNCHRONIZATION:

X-setting (all speeds to  
1/400 second)

#### DIMENSIONS:

4 x 5.7 x 9.8" (104 x 144 x  
233mm) W.H.L. with  
127mm lens and 120 back

#### WEIGHT:

5.9 lbs (2,690g) with 127mm  
lens and 120 back

*Subject to change without notice*



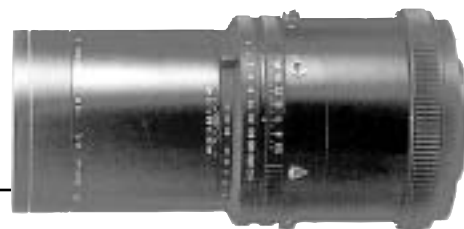
THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# MAMIYA

## R B 6 7 P R O S D

350mm  
f/5.6  
K/L APO  
Lens  
(301-119)



### MAMIYA SEKOR LENSES

High-performance Seiko #1 shutters are built into Mamiya Sekor lenses. They include the advanced APO lenses which correct optical chromatic aberration, and the Mamiya K/L lenses which feature abundant peripheral light transmission to assure a sharp

image over the entire 6 x 7cm picture area. Wide-angle and standard 90mm lenses feature a built-in floating element mechanism for more accurate focusing — satisfying even the most demanding professional needs.

#### Wide Angle

**37mm f/4.5 C** (214-400)  
Fish-eye with 4 filters.  
**Item # MA3745RB.....2,689.00**

**50mm f/4.5 C** (214-401)  
With lens hood.  
**Item # MA5045RB.....1,639.00**

**65mm f/4 K/L** (301-103)  
With lens hood.  
**Item # MA654KL.....1,859.00**

**75mm f/3.5 K/L** (301-105)  
With lens hood.  
**Item # MA7535KL.....1,849.00**

**75mm f/4.5 L P.C. Shift** (301-106)  
With lens hood.  
**Item # MA7545SKL....2,999.00**

#### Standard

**90mm f/3.5 K/L** (301-107)  
With lens hood.  
**Item # MA9035KL.....1,599.00**

**127mm f/3.5 K/L** (301-109)  
With lens hood.  
**Item # MA12735KL....1,489.00**

#### Macro

**140mm f/4.5 K/L** (301-110)  
With lens hood.  
**Item # MA14045KL..1,875.00**

#### Telephoto

**250mm f/4.5 K/L APO** (301-117)  
With lens hood.  
**Item # MA25045AKL.3,839.00**

**350mm f/5.6 K/L APO** (301-119)  
With lens hood and lens support bracket.  
**Item # MA35056AKL.4,289.00**

**360mm f/6** (214-409)  
With lens hood.  
**Item # MA36063RB...1,599.95**

**360mm f/6 KL** (301-114)  
With lens hood and lens support bracket.  
**Item # MA36063RB...2,225.00**

**500mm f/8.0 C** (214-410)  
With lens hood and lens support bracket with case.  
**Item # MA5008RB.....4,549.00**

**500mm f/6 L APO** (301-121)  
With lens hood and lens support bracket with case.  
**Item # MA5006AKL...5,999.00**

#### Zoom

**100-200 f/5.2 C** (214-426)  
With lens hood and lens support bracket.  
**Item # MA10020052RB.3,739.00**

Assorted  
RB-67  
Pro-SD  
Lenses



#### SPECIFICATIONS OF RB-67 SEKOR LENSES

Lens	37mm	50mm	65mm K/L	75mm K/L	75mm Shift	90mm K/L	127mm K/L	140mm K/L Macro	150mm SF C	150mm K/L
Aperture Range f.	4.5-3.2	4.5-3.2	4-32	3.5-32	4.5-32	3.5-32	3.5-32	4.5-32	4-32	3.5-32
Angle of View	180°	81°	68°	61°	61°	52°	39°	35°	33°	33°
Lens Construction	6G, 9E	8G, 11E	8G, 9E	7G, 9E	11G, 9E	7G, 8E	4G, 6E	4G, 6E	3G, 8E	4G, 6E
Minimum Focusing	.25" (64cm)	1.9" (4.9cm)	3.3" (8.5cm)	4.9" (12cm)	4.5" (11.4cm)	7.9" (20cm)	1.6" (40.8cm)	29.9" (51.4cm)	24" (61cm)	32.3" (82cm)
Weight	43.8oz. (1340g)	32.3 oz. (915g)	37.7 oz. (1070g)	34.6 oz. (980g)	60 oz. (1700g)	33.9 oz. (960g)	27.5 oz. (780g)	32.8 oz. (930g)	27.9 oz. (790g)	29.1 oz. (825g)
Equivalent Length in 35mm Format	18mm	25mm	32mm	37mm	37mm	44mm	62mm	68mm	74mm	73mm
Filter Size	40.5R	77mm	77mm	77mm	105mm	77mm	77mm	77mm	77mm	77mm

Subject to change without notice

24 Hour Fax: 800-947-7008 ■ 212-239-7770



# SPECIFICATIONS OF RB-67 SEKOR LENSES

Lens	180mm K/L	210mm K/L	250mm K/L	250mm K/L APO	350mm K/L APO	360mm	360mm K/L	500mm	500mm L APO	100-200mm
Aperture Range f.	4.5-45	4.5-45	4.5-45	4.5-45	4.5-45	6.3-45	6-45	8-32	6-45	5.2-45
Angle of View	28°	24°	21°	21°	15°	14°	14°	10°	10°	47°-26°
Lens Construction	3G, 5E	5G, 7E	4G, 5E	5G, 7E	6G, 7E	5G, 8E	5G, 6E	6G, 6E	7G, 7E	12G, 14E
Minimum Focusing	33.5" (85cm)	45.5" (116cm)	62" (157cm)	61" (156cm)	121" (308cm)	136" (346cm)	133" (337cm)	242" (615cm)	239" (606cm)	8.9" (22.5cm)
Weight	25.7 oz. (730g)	36 oz. (1026g)	36 oz. (1020g)	48 oz. (1370g)	50 oz. (1440g)	36.7 oz. (1040g)	40 oz. (1140g)	67 oz. (1980g)	83 oz. (2360g)	58 oz. (1660g)
Equivalent Length in 35mm Format	87mm	102mm	118mm	119mm	167mm	175mm	175mm	238mm	238mm	48-97mm
Filter Size	77mm	77mm	77mm	77mm	77mm	77mm	77mm	105mm	105mm	77mm

Subject to change without notice



## FILM BACKS

Versatile interchangeable film backs permit a variety of types and sizes of film to be selected for use in the RB67 Pro-SD. This versatility, whether the use of 120 or 220 film backs in the 6x7cm format, the Polaroid back in the 68x68mm format, Power Drive film backs in either the 6x7 or 6x8 format, the 70mm roll film back (54 shots per roll), the 6x4.5cm film back or the double cut film back, enables the camera to be used for a variety of specific purposes. By simply revolving the film back 90°, either a vertical or horizontal format can be selected without changing the camera position. Error-free operation is assured by dotted lines in the viewfinder which indicate the vertical and solid red lines which indicate the horizontal.

**120 Film Back with Insert** (301-302)  
6 x 7cm. 10 exposures.  
**Item # MAFB67120SD ..559.00**

**220Film Back with Insert** (301-304)  
6 x 7cm. 20 exposures.  
**Item # MAFB67220SD ..559.00**

**120 Film Insert** (301-308)  
For 120/220 6 x 7 film backs.  
**Item # MAI120SD.....398.50**

**220 Film Insert** (301-309)  
For 120/220 6 x 7 film backs.  
**Item # MAI220SD.....398.50**

**120 Film Back with Insert** (301-315)  
6 x 4.5cm. 15 exposures.  
**Item MAFB645120SD ...599.00**

**220 Film Back with Insert** (301-316)  
6 x 4.5cm. 30 exposures.  
**Item # MAFB645220SD .....599.00**

**70mm Film Back** (214-604)  
15 ft. of double perforated  
70mm film. 54 exposures.  
**Item # MAFB70RB .....1,291.95**

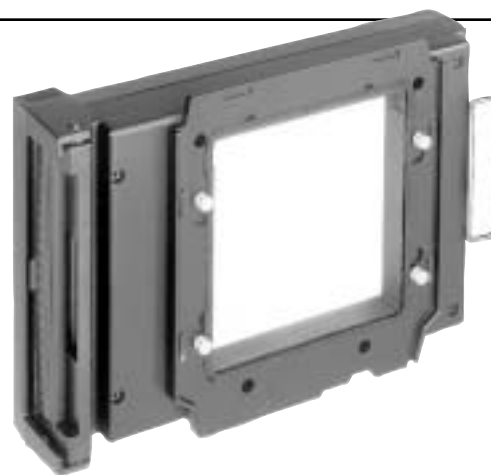
**120/220 Power Drive Back with Insert** (214-613)  
6 x 7cm. 10 exposures with 120 roll film, 20 exposures with 220 roll film. Automatically winds to first frame, advances film after releasing shutter, and winds up film after the last frame. (Requires 4AA batteries.)  
**Item # MAFBPD67RB...719.00**

**120/220 Power Drive Back with Insert** (214-614)  
6 x 8cm. 9 exposures with 120 roll film, 18 exposures with 220 roll film. Automatically winds to first frame, advances film after releasing shutter, and winds up film after the last frame. (Requires 4AA batteries.)  
**Item # MAFBPD68RB...719.00**



Revolving Back system

Polaroid Film Back (301-300)



**Battery Holder Insert** (214-617)  
For Power Drive Backs. (Replacement.)  
**Item # MAIBHPDRB.....37.95**

**Double Cut Film/Plate Adapter** (214-603)  
6 x 9cm. Requires 6 x 9 cut film holder.  
**Item # MAFH69RB.....125.95**

**Polaroid Film Back** (301-300)  
Provides 68 x 68mm instant pictures. Uses 3/4 x 4 1/4" pack film. 8 exposures. Complete with built-in P adapter. Must remove revolving adapter on camera body to attach.  
**Item # MAFBPRB .....469.00**

**Polaroid Format Masks** (213-470)  
For photographers who want their Polaroid proofs to match the 6 x 7cm vertical or horizontal composition. The format masks are dark slides with cut-outs showing the proper vertical or horizontal openings.  
**Item # MAMP67HVRZ ....37.95**

**Magnetic Pocket** (213-472)  
The magnetic pocket attaches to the back of the Polaroid back and stores both format masks, as well as the dark slide for the Polaroid back. The magnets prevent the slides from falling out. Extremely convenient and protects the masks when not in use.  
**Item # MAMP67HVRZ .....43.50**

**Quadra 72 Film Back** (214-609)  
Provides 72mm x 72mm images. Uses Polaroid instant 4 x 5 sheet films. Can also use Fuji QuickLoad or Kodak Readyload films.  
**Item # MAFBQRB .....519.95**

**Dark Slide** (214-610)  
For roll film. (Replacement.)  
**Item # MADSRB .....13.95**

**Dark Slide** (213-464)  
For Polaroid back. (Replacement.)  
**Item # MADSPBRZ .....13.95**

# MAMIYA

## R B 6 7 P R O S D

MEDIUM FORMAT

72



### VIEWFINDERS

All RB-67 viewfinders can also be used with the Mamiya RZ Standard and RZ Pro II.

#### Waist-Level Finder (301-420)

Pops open with a single touch to provide viewing of the entire frame. Includes a 1.5x magnifier for fine focusing. (Replacement.) Weighs 5.3 oz. (150g).

**Item # MAFWLSD .....208.50**

#### Prism Finder Model 2 (214-502)

Excellent for eye-level photography. Laterally correct image. Viewing angle of 30°. With eyecup and case.

**Item # MAFP2RZ.....849.00**



PD Prism Finder (214-499)

#### PD Prism Finder (214-499)

Built-in PD meter. Viewing angle of 30°. Unreversed, laterally correct image eye-level finder. Offers a choice of average or 7.3% spot metering. The metering range is EV 3.16 - EV 18.5. ISO 12-6400. With case and eyecup. Weighs 32.5 oz (920g).

**Item # MAFDP2RZ..1,199.00**

#### Magnifier (301-430)

Attaches to the prism viewfinders. Assures enhanced precision focusing by magnifying the central portion of the screen 2.4 times. After focusing, it can be flipped over to confirm overall composition. Built-in diopter correction. Weighs: 2.5 oz. (70g).

**Item # MAMDRZ.....189.00**



### FOCUSING SCREEN

#### #1 Matte (214-520)

With center spot. For general purpose photography. (Replacement.)

**Item # MAFSMRB.....49.95**

#### #2 Matte with Grid (214-521)

For close-ups, copying and photographing buildings.

**Item # MAFSMGRB.....49.95**

#### #3 Split Image (214-522)

All matte with horizontal central split image.

**Item # MAFSSIRB.....49.95**

#### #4 Microprism (214-523)

All matte with central microprism.

**Item # MAFSMPRB .....49.95**

#### #5 Crosshair (214-524)

For special photography. Suitable for high magnification close-up or telephoto, using parallax focusing.

**Item # MAFSCHRB.....49.95**

#### #6 45° Split Image (214-525)

Rangefinder spot with 45° split image and microprism.

**Item # MAFS45SIRB.....49.95**

#### #7 6x8 Matte (214-526)

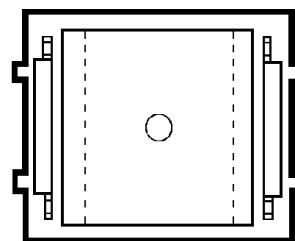
All matte. Designed for use with the 6x8 power drive back.

**Item # MAFSM68RB.....49.95**

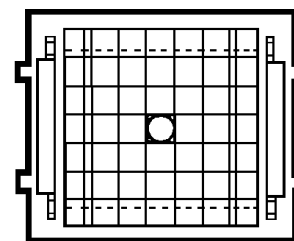
#### Vertical Split Image (214-527)

Matte with vertical split image. Allows photographer to confirm ideal focus with precision.

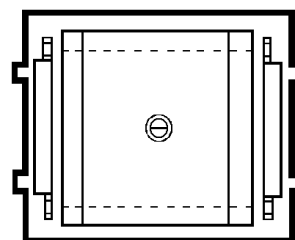
**Item # MAFSVSIRB .....83.50**



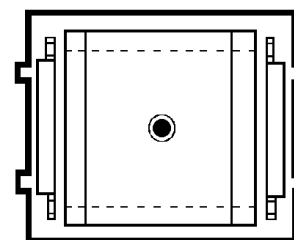
#1 Matte (214-520)



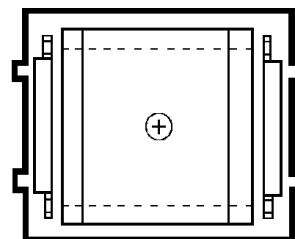
#2 Matte with Grid (214-521)



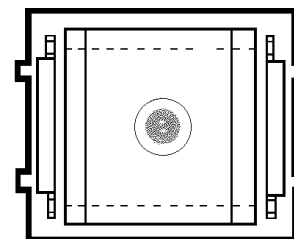
#3 Split-Image (214-522)



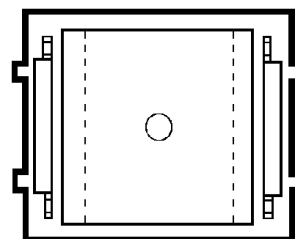
#4 Microprism (214-523)



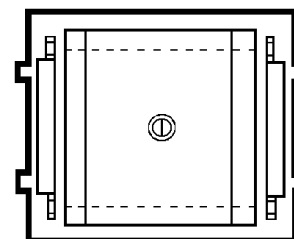
#5 Crosshair (214-524)



#6 45° Split Image (214-525)



#7 6x8 Matte (214-526)



Vertical Split Image (214-527)



### BODY ACCESSORIES

#### Pistol Grip Model 2 (213-512)

Grip with a trigger type shutter release button that is coupled to the camera shutter.

**Item # MAGP2RZ .....69.95**

#### Left Hand Grip (213-495)

With trigger type shutter release which is coupled to the camera shutter. Also for C330.

**Item # MAGLHRB .....185.95**

#### Flashgun Bracket (213-513)

With accessory shoe. Small I-shaped bracket. Can be used without accessory shoe when using older Press type flashes. Can be used with any other flash when using accessory shoe.

**Item # MABFGRZ.....59.95**



Left Hand Grip (213-495)

14-Day Customer Satisfaction Guarantee

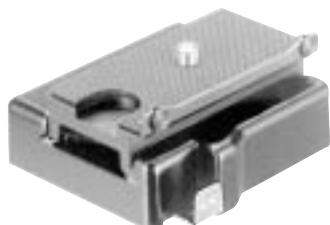


## BODY ACCESSORIES, cont.

### Focus Knob (214-705)

With interchangeable distance scale. This oversized focusing knob attaches to the camera and facilitates precise focusing. Focus distances can be read easily using the distance scales on the knob.

**Item # MAFKRB .....38.95**



Quick-Shoe Model 3 (211-571)

### Quick Shoe Model 3 (211-571)

For fast camera mounting. A two piece set in which one piece is attached to the camera and the other to the tripod. When this is done, the camera can instantly be mounted to, or removed from a tripod. Takes just seconds to lock and release.

**Item # MAQS3645 .....219.95**

### Rear Body Cap (214-702)

(Replacement.)

**Item # MABCRB .....5.95**

### Front Body Cap (214-708)

For RB67 Pro S.

(Replacement.)

**Item # MABCRB .....7.95**

### Front Body Cap (212-611)

For RB67 Pro SD and RZ67.

(Replacement.)

**Item # MABCRZ .....7.95**

### Neck Strap (301-500)

(Replacement.)

**Item # MASNRBQ .....39.95**

### Revolving

### Back Adapter (301-306)

Allows quick change to horizontal or vertical composition. (Replacement.)

**Item # MARBASD .....214.95**



Mamiya lens caps



## LENS ACCESSORIES

Extension tubes are available in 45mm and 82mm lengths. They couple to the automatic diaphragm of the lens. Both can be used at the same time when required. Life size close-ups can be obtained by combining the Auto Extension Tube #2 and a 127mm f/3.5 lens.

### Auto Extension Tube #1 (214-450)

45mm long. For RB Pro S.

**Item # MAETA1RB .....314.00**

### Auto Extension Tube #2 (214-451)

82mm long. For RB Pro S.

**Item # MAETA2RB .....344.00**

### Auto Extension Tube

KL #1 (301-240)

45mm long. For RB Pro SD.

**Item # MAETA1SD .....449.00**

### Auto Extension Tube

KL #2 (301-242)

82mm long. For RB Pro SD.

**Item # MAETA2SD .....499.00**

### Professional

### Lens Hood G-3 (213-376)

Attaches to the front accessory thread of 77ø lenses (zoom lens requires Zoom Lens Mounting Ring G-3). Provides protection against extraneous light. Utilizes side struts which expand and contract by means of a geared drive knob. It has insert slots for 3" (7.6cm) square filter and 4.7" (12cm) square size vignetter. Vignetter can adjust up and down within 14mm. Minimum extension 2" (50mm), maximum extension 6.9" (175mm). With 77mm mounting ring and 3" gelatin filter frame. Weighs 11.8 oz. (335g).

**Item # MABLHG3RZ .....519.00**

### Mounting Ring G-3 (213-378)

For Professional Lens Hood G-3. 77mm. (Replacement.)

**Item # MAMRG3RZ .....59.95**

### 3" Gel Filter Frame (213-388)

For Professional Lens Hood G-3. (Replacement.)

**Item # MAFFG3RZ .....28.50**

## Auto Extension Tubes

### AUTOMATIC EXTENSION TUBES CLOSE-UP DATA

Lens	Tube Used	Magnification	Area Covered (cm)
65mm f/4	45mm	0.68-1.38	(8.2 x 10.2) ~ (4.1 x 5.0)
75mm f/3.5	45mm	0.60-1.21	(9.4 x 11.7) ~ (4.7 x 5.8)
	45mm	0.49-1.00	(11.3 x 14.1) ~ (5.6 x 7.0)
90mm f/3.5	82mm	0.90-1.41	(6.2 x 7.7) ~ (4.0 x 5.0)
	45mm+82mm	1.39-1.90	(4.0 x 5.0) ~ (3.0 x 3.7)
	45mm	0.35-0.72	(15.8 x 19.6) ~ (7.8 x 9.7)
127mm f/3.5	82mm	0.65-1.01	(8.7 x 10.8) ~ (5.6 x 6.9)
	45mm+82mm	1.00-1.36	(5.6 x 7.0) ~ (4.1 x 5.1)
Macro	45mm	0.32-0.65	(17.3 x 21.5) ~ (8.6 x 10.7)
140mm f/4.5	82mm	0.59-0.91	(9.6 x 11.9) ~ (6.1 x 7.6)
	45mm+82mm	0.91-1.23	(6.2 x 7.6) ~ (4.5 x 5.6)
	45mm	0.25-0.51	(22.4 x 27.8) ~ (11.1 x 13.7)
180mm f/4.5	82mm	0.46 ~ 0.71	(12.3 x 15.3) ~ (7.9 x 9.8)
	45mm+82mm	0.71-0.96	(7.9 x 9.8) ~ (5.8 x 7.2)
	45mm	0.18-0.37	(30.4 x 37.7) ~ (15.0 x 18.6)
250mm f/4.5	82mm	0.34-0.52	(16.7 x 20.7) ~ (10.7 x 13.3)
	45mm+82mm	0.52-0.71	(10.8 x 13.4) ~ (7.9 x 9.8)
	45mm	0.12-0.25	(44.8 x 55.6) ~ (22.2 x 27.5)
360mm f/6.3	82mm	0.23-0.36	(24.8 x 30.5) ~ (15.8 x 19.5)
	45mm+82mm	0.35-0.48	(15.9 x 19.7) ~ (11.7 x 14.5)

## Professional Lens Hoods

### Zoom Lens

### Mounting Ring G-3 (213-379)

Allows the Professional Lens Hood G-3 to be used with the zoom lens whose front mount turns when focusing. When the mounting ring, which includes a rotation stopper, is attached, the Professional Lens Hood G-3 does not rotate. A double rail attaches to the bracket of zoom lens.

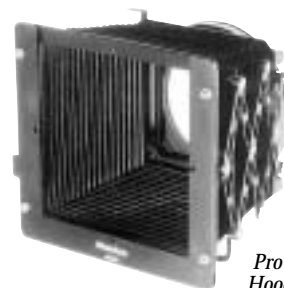
**Item # MAMRZG3RZ .....62.95**

### Front Bellows

### Hood G-3 (213-377)

Used with Professional Lens Hood G-3. Brings higher vignetting efficiency. Best if used with 127mm lens or longer (except zoom lens). Includes an inserting slot for 4.7 (12cm) square vignetter such as Sailwind, Leon and Lindahl. Minimum extension 1" (25mm), Maximum extension 4.2" (105mm). Weighs just 5.1 oz. (145g).

**Item # MAHFBG3RZ .....253.95**



Pro Lens Hood G-3 (213-376)

### Professional

### Lens Hood G-2 (213-375)

Attaches to the front accessory thread of all 77ø lenses except for the zoom lens. Provides optimum shading of the lens. Rack and pinion adjustment. Built in 3" gelatin filter holder. Minimum extension is 1.2" (30mm) and the maximum extension is 4" (100mm). Includes 77mm mounting ring. Weighs 10.2 oz. (290g).

**Item # MABLHG2RZ .....189.00**

### Mounting Ring G-2 (213-387)

For Professional Lens Hood G-2. 77mm. (Replacement.)

**Item # MAMRG2RZ .....23.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



# MAMIYA

## R B 6 7 P R O S D

MEDIUM FORMAT

74



### LENS ACCESSORIES

#### Lens Hoods

**Lens Hood (213-370)**  
For 50 and 65mm lenses.  
(Replacement.)  
**Item # MALH50RZ.....29.95**

**Lens Hood (213-371)**  
For 90 and 110mm lenses.  
(Replacement.)  
**Item # MALH90RZ.....33.50**

**Lens Hood (213-372)**  
For 127, 140, 150, 180 and  
250mm lenses. (Replacement.)  
**Item # MALH127RZ.....33.50**

**Lens Hood (213-373)**  
For 360mm lens. (Replacement.)  
**Item # MALH360RZ.....29.95**

**Lens Hood (213-374)**  
For 500mm lenses.  
(Replacement.)  
**Item # MALH500RZ.....96.95**

**Lens Hood (213-389)**  
For 100-200mm zoom lens.  
(Replacement.)  
**Item # MALH100200RZ..46.50**

**Sun Shield (213-460)**  
Prevents direct sunlight from  
striking the lens. Can be  
attached to all "Z" series lenses,  
when it is not possible to use  
the regular lens hood. Comes  
with case.  
**Item # MASSRZ.....72.95**



RB67 Pro SD shown with  
attached Sun Shield  
(213-460)

#### Lens Caps

**Front Lens Cap (213-360)**  
For 37mm lens. (Replacement.)  
**Item # MALC37RZQ.....9.95**

**Front Lens Cap (213-361)**  
For 77mm  $\phi$  lenses.  
(Replacement.)  
**Item # MALC77RZ.....5.95**

**Front Lens Cap (213-364)**  
For 105mm  $\phi$  lenses. (Replacement.)  
**Item # MALC105RZ.....38.95**

**Rear Lens Cap (213-363)**  
For all lenses except 37mm  
fisheye. (Replacement.)  
**Item # MALCRRZ.....5.95**

**Rear Lens Cap (213-365)**  
For 37mm fisheye. (Replacement.)  
**Item # MALC50RZ.....6.95**

#### Adapter Ring

**Lens Mount Adapter Ring (301-245)**  
Supplied with K/L lenses. When removed, K/L lenses, with the  
exception of the 75mm shift and 500mm APO, can be used on all  
RB and RB Pro S cameras. The chart below shows when the Lens  
Mount Adapter Ring should be used or removed.  
**Item # MAARLMRB.....27.50**

#### Adapter Ring Specifications

	RB67	RB67 Pro S	RB67 Pro SD	RZ67
<b>C Lenses</b>	No ring needed	No ring needed	Add ring 301-245	Add ring 301-245
<b>KL Lenses supplied with ring</b>	Remove ring	Remove ring	Use supplied ring 301-245	Use supplied ring 301-245
<b>L Lenses</b>	Cannot be used		Use with Supplied ring	

#### Miscellaneous Lens Accessories

**Gelatin Filter Holder (214-452)**  
For 3" (75mm) square filters.  
Fits onto all Mamiya 77mm  $\phi$   
lenses. (Also fits other manu-  
facturers lenses.)  
**Item # MAFHRZ.....57.95**

**Diffusion Lens Discs (214-453)**  
Set of 3 for 150mm SFC lens.  
(Replacement.)  
**Item # MADDS150RB.....29.95**

**77mm  $\phi$  UV Filter (213-530)**  
**Item # MAUV77.....67.50**



Diffusion Lens Discs (214-453)

**77mm  $\phi$  Skylight Filter (213-531)**  
**Item # MASL77.....78.95**

**77mm  $\phi$  Polarizer Filter (213-532)**  
**Item # MAP77.....97.95**



**Lens Support Bracket (214-709)**  
For 350mm or 360mm lenses.  
**Item # MABLS350RZ....178.50**

**Lens Support Bracket (214-707)**  
For 500mm lens.  
(Replacement.)  
**Item # MABLS500RB....304.95**

**Lens Support Bracket (214-706)**  
For 100-200 zoom lens. (Replacement.)  
**Item # MABLSZRB.....164.95**

**Mirror Up Cable Release (213-461)**  
Y-shaped double function cable release. Prevents camera shake dur-  
ing slow-shutter speed  
exposures and when a  
tripod is used. One  
cable connects to the  
camera body's shutter  
release, the other to  
the mirror-up switch.  
When the release is  
pressed, the mirror-up  
operation activates  
first, followed by oper-  
ation of the shutter.  
**Item #**  
**MACRMURZ.....72.95**

RB67 Pro SD shown with Mirror Up  
Cable Release (213-461)



Technical Advice Available



## VIEWFINDER ACCESSORIES

Prism Finder Cover (214-498)  
(Replacement.)

Item # **MACPFRZQ** ..... **13.95**

Rubber Eyecup (212-404)  
For AE or PD Prism Finders.  
(Replacement.)

Item # **MAECPF2RZ** ..... **7.95**

Rubber Eyecup (214-505)  
For discontinued CDS magnifying hood. (Replacement.)

Item # **MAECCDSFRB** ..... **7.95**

### Corrective Viewfinder Eyepieces

#### FOR THE WAIST-LEVEL FINDER

-3 Diopter (213-430)  
Item # **MADM3WLFZR** .. **22.00**

-1 Diopter (213-433)  
Item # **MADM1WLFZR** .. **22.00**

-2 Diopter (213-431)  
Item # **MADM2WLFZR** .. **22.00**

0 Diopter (213-434)  
Item # **MAD0WLFZR** ..... **22.00**

-1.5 Diopter (213-432)  
Item # **MADM1.3WLFZR** .. **22.00**

+1 Diopter (213-435)  
Item # **MADP1WLFZR** ..... **22.00**

#### FOR PRISM FINDERS

-4 Diopter (213-440)  
Item # **MADM4PFRZ** ..... **22.00**

-.5 Diopter (213-444)  
Item # **MADM.5PFRZ** ..... **22.00**

-3 Diopter (213-441)  
Item # **MADM3PFRZ** ..... **22.00**

+1 Diopter (213-445)  
Item # **MADP1PFRZ** ..... **22.00**

-2 Diopter (213-442)  
Item # **MADM2PFRZ** ..... **22.00**

+2 Diopter (213-446)  
Item # **MADP2PFRZ** ..... **22.00**

-1 Diopter (213-443)  
Item # **MADM1PFRZ** ..... **22.00**

+3 Diopter (213-447)  
Item # **MADP3PFRZ** ..... **22.00**



## CASES

Soft Camera Case (214-701)  
Item # **MACRB** ..... **86.50**

Aluminum Compartment Case  
KM705 Small (219-581)  
With moveable dividers.  
Dimensions: 18 x 13.5 x 6.3"  
(460 x 344 x 160mm) WDH.  
Weights 8.1 lbs. (3.7kg).  
Item # **MACAS** ..... **322.00**



Aluminum Compartment Case  
KM706 Medium (219-582)  
Same as above, but 19.8 x 14.6 x 7.2"  
(502 x 371 x 183mm) WDH. Weights 10.8 lbs. (4.9kg).  
Item # **MACAM** ..... **469.00**

Aluminum Compartment Case  
KM707 Large (219-583)  
Same as above, but 24.2 x 14.6 x 7.2"  
(615 x 371 x 183mm) WDH. Weights 12.6 lbs. (5.7kg).  
Item # **MACAL** ..... **529.00**

Soft Lens Case  
#C (213-390)  
For 50, 65, 90, 110, 127, 150, 180 and 250mm lenses.  
Item # **MALC50RZ** ..... **44.95**



Soft Lens Case #3 (213-382)  
For 360mm lens.  
Item # **MALC360RZ** ..... **64.95**

Soft Lens Case #4 (213-383)  
For 37mm lens.  
Item # **MALC37RZ** ..... **67.50**

Soft Lens Case #5 (213-385)  
For 75mm shift and 100-200mm zoom lenses.  
Item # **MALC75SRZ** ..... **88.95**

Hard Lens Case (213-386)  
For 37mm lens.  
Item # **MALC37RZZ** ..... **46.95**

Trunk Lens Case (213-384)  
For 500mm lens.  
Item # **MALC500RZ** ..... **216.95**



More accessories available. Please inquire.

### Viewfinders

Prism Finder with Case (216603)  
Item # **MAFPC** ..... **399.00**

### Body Accessories

Grip Holder (210413)  
Item # **MAGH645** ..... **48.50**

Left Hand Grip (213495)  
Item # **MAGLHRB** ..... **185.95**

## C 3 3 0 S A C C E S S O R I E S

### Lenses

55mm f/4.5  
Wide Angle Lens (216500)  
With lens caps and parallax correction plate. (46mm).  
Item # **MA5545C** ..... **799.00**

80mm f/2.8  
Standard Lens (216502)  
With lens caps (46mm).  
Item # **MA8028C** ..... **495.00**

135mm f/4.5  
Telephoto Lens (216504)  
With sportsfinder mask and lens caps (46mm).  
Item # **MA13545C** ..... **549.00**

180mm f/4.5  
Telephoto Lens (216505)  
With sportsfinder mask and lens caps (49mm).  
Item # **MA18045C** ..... **699.00**

### Focusing Screens for C330S

#A2 Matte for W.A. Lenses (216621)  
Item # **MAFSMWAC330S** ..... **19.95**

#B Rangefinder Spot 4° (216622)  
Item # **MAFSS4C330S** ..... **19.95**

#C Microprism (216624)  
Item # **MAFSMPC330S** ... **19.95**

#D Cross Hair (216625)  
Item # **MAFSCHC330S** ..... **19.95**

Checked Screen (216627)  
Item # **MAFSMWAC330S** ..... **19.95**

### Focusing Screens for C330F

#1 Matte (216630)  
Item # **MAFSMC330F** ..... **29.95**

#2 Split Image 4° (216631)  
Item # **MAFSSIC330F** ..... **29.95**

#3 Split Image 6° (216632)  
Item # **MAFS3C330F** ..... **29.95**

#4 Microprism 2 (216633)  
Item # **MAFSMP2C330F** ..... **29.95**

#5 Crosshair (216634)  
Item # **MAFSCHC330F** ... **29.95**

#6 Matte Grid (216635)  
Item # **MAFSMGC330F** ... **29.95**

#7 Split Image 45° (216636)  
Item # **MAFS45SIC330** ..... **29.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# MAMIYA

## RZ67 PRO II 6x7 SYSTEM

MEDIUM FORMAT

76

*Superior optical quality, superb mechanical reliability and total system flexibility, have made the RZ67 Pro II the professional choice among the world's best photographers. With the proportionally ideal 6x7 format, the RZ67 Pro II incorporates interchangeable lens shutter optics, interchangeable revolving film backs and integral rack and pinion bellows focusing system. And for even more advantages, the RZ67 Pro II offers intermediate shutter speed settings.*



Mamiya RZ67 shown with waist-level finder and 90mm lens

### FEATURES

- **Single action film advance and shutter setting**
- **Compatible with RZ and RB lenses and most accessories**
- **Dual focusing knob for regular and fine focusing**
- **Intermediate shutter speed settings between  $\frac{1}{250}$  and 4 sec. And with the optional AE Prism finder,  $\frac{1}{8}$  f/stops exposure accuracy**

### RZ67 Pro II Camera Body (212-200)

With waist-level finder, magnifier, matte focusing screen, front and back covers, neck strap and 6V battery.  
Item # MARZ672 .....1,899.00

### RZ67 Pro II Camera Outfit (212-0)

RZ67 Pro II body with 90mm lens, waist-level finder and 120 film back.  
Item # MARZ67290K.....3,678.95

## RZ67 PRO II SPECIFICATIONS

### TYPE:

6 x 7cm (2 1/4 x 2 1/4") lens-shutter single lens reflex camera with rack and pinion focusing, interchangeable lens, film back, finder and focusing screen.

### LENS MOUNT:

Bayonet mount with electronic connections and built-in safety lock.

### FILM ADVANCE:

Film winding lever; one 114° stroke

### VIEWFINDER:

Interchangeable finder system; 95% field-of-view; standard is waist-level finder (212-401); choice of four optional viewfinders. The finder indicates the operating status.

### FOCUSING SCREEN:

Interchangeable type; standard is Matte with Fresnel lens (212-420)

### MIRROR LOCK-UP:

Possible with optional cable release (213-461)

### MULTIPLE EXPOSURE:

Possible with multiple exposure switch

### LENS DIAPHRAGM:

Fully automatic, full stop increments with indicator lines for half-stops, full depth-of-field preview

### SHUTTER:

Seiko #1 electronic shutter; B, T, 8-1/400 second with intermediate speeds; mechanical shutter speed 1/400 sec. without battery

### FILM BACK:

Daylight loading; interchangeable type; exclusive film backs for 120 and 220 roll film and Polaroid pack film. Back revolves 90° to change from horizontal to vertical formats

### FILM:

120 (10 exposures) and 220 (20 exposures) roll film in 6 x 7cm, 120 (12 exposures) and 220 (24 exposures) roll film in 6 x 6cm, 120 (15 exposures) in 6 x 4.5cm, and Polaroid pack film

### FLASH SYNCHRONIZATION:

X-setting (all speeds to 1/400 sec.)

### BATTERY CHECK:

Red light in viewfinder when battery is low.

### BATTERY:

Uses PX28 silver-oxide, 4LR44 alkaline or equivalent 6V battery.

### DIMENSIONS:

4 x 5.3 x 8.3" (104 x 133.5 x 211.5mm) W.H.L. (body with 110mm f/2.8 lens, and 120 film back)

### WEIGHT:

5.3 lbs. (2.4 kg) with 110mm f/2.8 lens, and 120 film back

*Subject to change without notice*

Corporate Accounts Are Welcome





## MAMIYA Z LENSES

The RZ67 Pro II includes a complete array of eighteen interchangeable lenses that ensure photographic excellence. From wide-angle to standard, telephoto, fisheye, macro, soft-focus, shift, zoom, and even four ultra-low dispersion APO lenses which

correct optical chromatic aberration, all high contrast Z series lenses guarantee the utmost in precision and performance. These lenses provide high levels of detail, free from flare and ghost images. Excellent color balance, contrast and resolving power,

characteristic of Mamiya lenses, assure photographic excellence in virtually any field, including commercial, with the utmost in image sharpness and resolution. RB67 Pro SD lenses can also be used with the RZ67 Pro II.

### SPECIFICATIONS OF MAMIYA Z LENSES

Lens	37mm	50mm	65mm LA	75mm Shift	90mm	110mm	140mm Macro	150mm
Aperture Range f.	4.5-32	4.5-32	4-32	4.5-32	3.5-32	2.8-32	4.5-32	3.5-32
Angle of View	180°	84°	68°	62°	53°	44°	35°	33°
Lens Construction	9E, 6G	11E, 9G	9E, 8G	11E, 9G	6E, 6G	6E, 5G	6E, 4G	6E, 4G
Minimum Focusing from film plane	10.2" (26cm)	11" (28cm)	13.8" (35cm)	16.5" (42cm)	16.9" (43cm)	20.9" (53cm)	29.9" (76cm)	32.3" (82cm)
Weight	45.1 oz. (1280g)	24.7 oz. (760g)	37.4 oz. (1060g)	58.6 oz. (1660g)	24.3 oz. (690g)	21.5 oz. (610g)	32.8 oz. (930g)	29.1 oz. (825g)
Equivalent Focal Length in 35mm Format	18mm	24mm	32mm	36mm	44mm	53mm	68mm	73mm
Filter Size	40.5 Rear	77mm	77mm	105mm	77mm	77mm	77mm	77mm

*Subject to change without notice*

### SPECIFICATIONS OF MAMIYA Z LENSES

Lens	180mm	210mm APO	250mm	250mm APO	350mm APO	500mm	500mm APO	100-200 Zoom
Aperture Range f.	4.5-32	4.5-45	4.5-45	4.5-45	5.6-45	8-45	6-45	5.2-32
Angle of View	28°	24°	20°	21°	15°	10°	10°	48°-25°
Lens Construction	4E, 3G	7E, 5G	5E, 4G	7E, 5G	7E, 6G	6E, 6G	7E, 7G	14E, 12G
Minimum Focusing from film plane	43.3" (110cm)	56.3" (143cm)	72.8" (185cm)	73.2" (186cm)	134.6" (342cm)	260" (660cm)	256" (649cm)	21.7" w 47.6" t (55cm) w (121cm) t
Weight	31.7 oz. (900g)	34.6 oz. (980g)	38 oz. (1080g)	47.3 oz. (1340g)	51.3 oz. (1455g)	69.2 oz. (1960g)	81.7 oz. (2315g)	57.2 oz. (1620g)
Equivalent Focal Length in 35mm Format	87mm	102mm	121mm	119mm	167mm	242mm	238mm	48-97mm
Filter Size	77mm	77mm	77mm	77mm	105mm	105mm	105mm	77mm

*Subject to change without notice*

#### Wide Angle

**37mm f/4.5 Fisheye** (212-300)  
Includes 4 rear filters. Provides a 180° field-of-view for unique perspective. This lens covers the entire frame, with no visible light or quality fall-off.  
**Item # MA3745RZ.....2,689.00**

**50mm f/4.5** (212-301)  
With lens hood. This is the most popular wide angle lens. It allows detailed resolution of even peripheral elements.  
**Item # MA5045RZ.....1,639.00**

**65mm f/4 LA** (212-376)  
With lens hood.  
**Item # MA654LARZ...1,875.00**

#### Shift Lens

**75mm f/4.5 Shift** (212-303)  
With cable release adapter. Provides perspective control that offers a maximum 20mm shift in vertical or horizontal orientation, 17mm at angular, and can be rotated 360° in 10° increments.  
**Item # MA7545SRZ.....3,169.00**

#### Standard

**90mm f/3.5** (212-304) **110mm f/2.8** (212-305)  
With lens hood. With lens hood.  
**Item # MA9035RZ.....1,389.00** **Item # MA11028RZ....1,429.00**

#### Macro

**140mm f/4.5 LA** (212-378)  
With lens hood. For minimal focusing distances. This lens employs a floating-element design for maximum correction of aberrations.  
**Item # MA14045MLARZ.....1,875.00**



75mm f/4.5 Shift Lens  
(212-303)

# MAMIYA

## RZ67 PRO II

500mm  
f/6 APO  
Lens  
(212-374)



MEDIUM FORMAT

78



### MAMIYA Z LENSES, continued

#### Telephoto

**150mm f/3.5** (212-375)  
With lens hood.  
**Item # MA15035RZ.....1,489.00**

**180mm f/4.5** (212-308)  
With lens hood. Tessar design.  
**Item # MA18045RZ.....1,515.00**

**210mm f/4.5 APO** (212-371)  
With lens hood.  
**Item # MA21045ARZ ..3,329.00**

**250mm f/4.5** (212-309)  
With lens hood.  
**Item # MA25045RZ.....1,939.00**

**250mm f/4.5 APO** (212-372)  
With lens hood.  
**Item # MA25045ARZ ..3,839.00**

**350mm f/5.6 APO** (212-373)  
With lens hood and holder.  
**Item # MA35056ARZ ..4,289.00**

**500mm f/8** (212-311)  
With lens hood, lens support bracket and protective hard leather case.  
**Item # MA5008RZ.....4,549.00**

**500mm f/6 APO** (212-374)  
With lens hood, lens support bracket and protective hard leather case.  
**Item # MA5006ARZ ...6,199.00**

#### Tele-Converter

**1.4x Teleconverter Lens** (212-320)  
For 90, 110, 127, 140, 150, and 180mm lenses.  
**Item # MA1.4XRZ .....869.00**

#### Zoom

**100-200mm f/5.2** (212-326)  
With lens hood and lens support bracket.  
**Item # MA10020052RZ ..3,739.00**



### FILM BACKS

Both the RZ67 Standard and RZ67 Pro II accept the complete range of Mamiya RZ film backs, including 6 x 6, 6 x 4.5 and Polaroid film backs. The ISO film speed dial, located on the Pro II backs, interfaces electronically with the body, AE Prism Finder and RZ lenses. Just set the dial, and get correct exposure meter indexing. (Electronic data functions are not available when using RB67 lenses.) They also have dual film counters for easy visibility in horizontal or vertical position.

**120 Pro II Film Back with Insert** (212-101)  
6 x 7cm. 10 exposures.  
**Item # MAFB67120RZ2 ..645.00**

**220 Pro II Film Back with Insert** (212-102)  
6 x 7cm. 20 exposures.  
**Item # MAFB67220RZ2 .....645.00**

**120 Pro II Film Back with Insert and Mask** (212-103)  
6 x 4.5cm. 15 exposures.  
**Item # MAFB645RZ2 .....599.50**

**120 Film Insert Pro II** (212-104)  
For 120 Pro II film back.  
**Item # MAI120RZ2.....435.95**

**220 Film Insert Pro II** (212-105)  
For 220 Pro II film back.  
**Item # MAI220RZ2.....467.95**

**120 Film Insert RZ Standard** (212-507)  
For discontinued RZ Standard 120 film back.  
**Item # MAI120RZ.....338.95**

**220 Film Insert RZ Standard** (212-508)  
For discontinued RZ Standard 220 film back.  
**Item # MAI220RZ.....338.95**

**Pro II Polaroid Film Back** (212-495)  
Developed with the Polaroid Corporation. Provides 68 x 68mm (2.67 x 2.67") instant pictures, providing immediate information on exposure, lighting and composition. Uses 3 1/4 x 4 1/4" pack film. The Pro II Polaroid film back includes an ISO film speed dial. 8 exposures.  
**Item # MAFBPRZ2 .....489.00**

**Polaroid Format Masks** (213-470)  
Slips between groundglass and body. For 6 x 7cm vertical or horizontal Polaroid proofs.  
**Item # MAMP67HVRZ....37.95**

**Magnetic Pocket** (213-472)  
Attaches to the back of the Polaroid Film Back and stores both format masks, as well as the dark slide for the Polaroid back.  
**Item # MAMPRZ.....43.50**

**Quadra 72 Film Back** (212-515)  
Provides 72 x 72mm (2.83 x 2.83") images. Uses Polaroid 4 x 5 sheet film, Fuji QuickLoad or Kodak ReadyLoad films.  
**Item # MAFBQRZ.....519.95**



Quadra 72 Film Back (212-515)

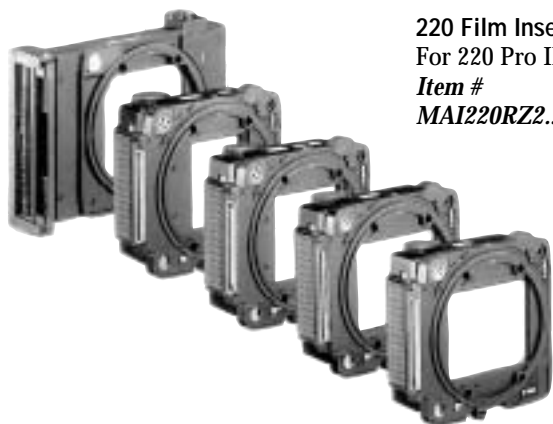
**Dark Slide** (212-503)  
For roll film backs. (Replacement.)  
**Item # MADSRZ.....9.95**

**Dark Slide** (213-464)  
For Polaroid film backs. (Replacement.)  
**Item # MADSPBRZ.....13.95**

**Rear Cap** (212-499)  
For film backs. (Replacement.)  
**Item # MACRFBZ.....7.95**

**Finder Mask** (212-509)  
120/6 x 4.5. (Replacement.)  
**Item # MAM645RZ.....15.95**

**Finder Mask** (212-510)  
120/6 x 6. (Replacement.)  
**Item # MAM66RZ.....15.95**



Pro II Polaroid Film Back (212-495),  
120 Pro II Film Back (212-103),  
120/220Film Back (212-506),  
220 Pro II Film Back (212-102),  
and 120 Pro II Film Back (212-101)

**Most Orders Shipped Within 24 Hours**



## VIEWFINDERS

All Mamiya RB67 viewfinders can be used with the RZ Standard and RZ Pro II, but with loss of information in the viewfinder.

**AE Prism Finder RZ II (212-407)**  
Aperture-priority AE finder with laterally-correct upright image. Offers a choice of average metering, as well as its own auto selection that switches between spot and average to suit the conditions. The metering range is EV1-EV18.5 with the f/2.8 lens. ISO 25-6400 in  $\frac{1}{2}$  stop increments. Backlit LED indicators. Exposure compensation  $\pm 3$  EV in  $\frac{1}{2}$  increments. Does not require batteries; it is powered by the body's battery. Weighs 33.2 oz. (940g).  
**Item # MAFAERZ2 ...1,229.00**

**Prism Finder Model 2 (214-502)**  
Excellent for eye-level photography. Laterally correct image. Viewing angle of 30°. With eyecup and case.  
**Item # MAFP2RZ.....849.00**

AE Prism  
Finder  
RZ II  
(212-407)



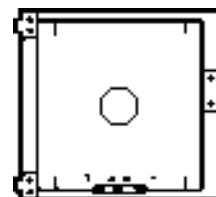
**AE Magnifying Hood RZ (212-406)**  
With eyecup. A chimney-type aperture-priority, spot-metering auto-exposure magnifying hood which incorporates a quartz-controlled electronic shutter speed control circuit with override for manual metering. The image, viewed clearly even in the light, is enlarged 2.5 times. Metering range is EV1-EV18.5 with f/2.8 lens. ISO 25-6400. Exposure compensation is  $\pm 3$  EV in  $\frac{1}{2}$  increments. Requires modification for use on RZ Pro II. Requires no batteries; it is powered by the body's battery. Weighs 17 oz. (480g).  
**Item # MAMHAERZ....769.00**

**PD Prism Finder (214-499)**  
Built-in PD meter. Viewing angle of 30°. Unreversed, laterally correct image eye-level finder. Offers a choice of average or 7.3% spot metering. The metering range is EV 3.16 - EV 18.5. ISO 12-6400. With case and eyecup. Weighs 32.5 oz (920g).  
**Item # MAFDPZRZ ..1,199.00**

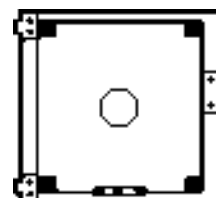
**Waist-Level Finder (212-401)**  
Pops open with a single touch to provide viewing of the entire frame. Raising the center magnifier makes fine focusing quick and easy, while creating a completely light-tight hood. Weighs 5.3 oz. (150g). (Replacement.)  
**Item # MAFWLRZ.....214.95**

**Magnifier (301-430)**  
Attaches to any Mamiya prism finder to assure precision by magnifying the central portion of the screen 2.4 times. After focusing it can be flipped over to confirm overall composition. Built-in -6 to +4 diopter correction. Weighs 2.5 oz (70g).  
**Item # MAMDRZ.....189.00**

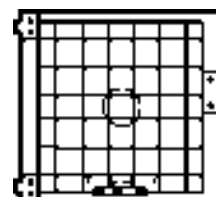
Type A  
Matte  
Pro II  
(212-408)



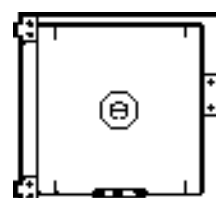
Type A3  
Matte  
(212-421)



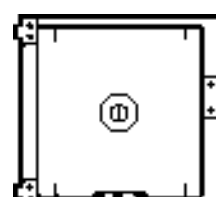
Type A4  
Checker  
Pro II  
(212-409)



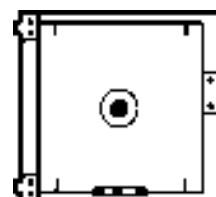
Type B  
Rangefinder  
Spot  
(212-423)



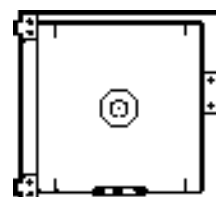
Vertical  
Split  
Image  
(212-427)



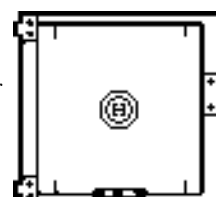
Type C  
Microprism  
(212-424)



Type D  
Cross-Hair  
(212-425)



Type E  
Rangefinder  
Spot  
Microprism  
(212-426)



## FOCUSING SCREEN

RZ Standard and RZ Pro II focusing screens are interchangeable. RZ Pro II screens have informative icon displays.

**Type A Matte Pro II (212-408)**  
An all matte screen with Fresnel lens. For general purpose photography. With informative icon displays. (Replacement.)  
**Item # MAFSMRZ2.....49.95**

**Type A3 Matte (212-421)**  
An all matte screen with Fresnel lens. For general purpose use, incorporating special corner masks to ensure full viewfinder masking in the vertical format.  
**Item # MAFSMCMRZ....49.95**

**Type A4 Checker Pro II (212-409)**  
Matte with Fresnel lens and sectional grid marking. Suitable for close-up, copy and architectural applications. Great for multiple exposure shots. With informative icon displays.  
**Item # MAFSCRZ2.....49.95**

**Type B Rangefinder Spot (212-423)**  
A matte screen with Fresnel lens and horizontal split-image center focusing aid. Suitable for general photography when rapid, accurate focusing is required. Focusing also possible in surrounding matte area.  
**Item # MAFSISRZ.....49.95**

**Vertical Split Image (212-427)**  
Same as Type B Rangefinder Spot with vertical split-image center focusing aid.  
**Item # MAFSVSIRZ2 .....88.95**

**Type C Microprism (212-424)**  
Matte with Fresnel lens and microprism center focusing aid. Suitable for general photography and other applications. Focusing is also possible in surrounding matte area.  
**Item # MAFSMPRZ.....49.95**

**Type D Cross-Hair (212-425)**  
Matte with transparent center set with cross hair marker, which aids in centering image. Suitable for high-magnification, close-up or telephoto special applications with parallax focusing.  
**Item # MAFSCHRZ.....49.95**

**Type E Rangefinder Spot/Microprism (212-426)**  
Matte screen with Fresnel lens and horizontal split-image center focusing aid surrounded by a microprism collar. This screen is suitable for general applications where horizontal/vertical elements can be accurately focused via the split-image, or general area focusing via the microprism. Focusing is also possible in surrounding matte area.  
**Item # MAFSISMPRZ...49.95**



## RZ67 PRO II

MEDIUM FORMAT

80



## BODY ACCESSORIES

**RZ Power Winder II (212-621)**

For film, shutter and mirror settings. Single-frame or sequential film winding at 1.5 frame/sec. Powered by six AA batteries (500-600 consecutive shots are possible). 3.3 x 1.8 x 3.7" W.H.D. (100 x 45 x 95mm). Weight 19.4 oz. (550g.) without batteries.

**Item # MAW2RZ .....549.00**

**9 Volt AC Adapter (212-622)**

For RZ Power Winder II. AC stabilized power supply designed to Power Winder II with or without batteries in winder.

**Item # MAACAW2RZ ...202.95**

**Pistol Grip Model 2 (213-512)**

Grip with a trigger type shutter release button that is coupled to the camera shutter.

**Item # MAGP2RZ .....69.95**

**Left Hand Grip (212-550)**

A contoured grip that provides excellent balance for both hand-held shooting and carrying. Includes a locking electronic shutter release, a cold-shoe for accessories and a strap. Weighs 13.7 oz. (390g).

**Item # MAGLRZ .....209.00**

**Aerial Grip (212-201)**

Contoured to the left hand. Provides excellent balance for aerial photography. For use with Power Winder II. Includes locking electronic shutter release and accessory shoe.

**Item # MAGDARZ.....338.95**

**Pro Flip Bracket (212-202)**

Left Hand Grip combined with a sturdy aluminum frame from Stroboframe for placing the flash over the lens to minimize shadows and eliminate red-eye.

The bracket swivels for correct flash orientation. The camera can be fired by depressing the built-in electronic shutter release.

**Item # MABCPRZ .....249.95**

**Interchangeable Flash Adapter (215-402)**

Handle-type flash mount. For the Pro Flip Bracket.

**Item # MAFMH .....16.95**

**Interchangeable Flash Adapter (215-404)**

Shoe-type flash mount. For the Pro Flip Bracket.

**Item # MAFMS .....11.95**



*RZ Power Winder II (212-621)*

**Interchangeable Flash Adapter (215-416)**

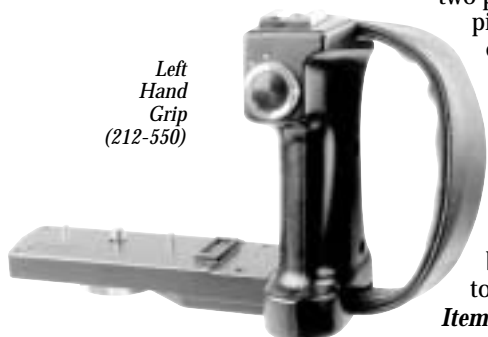
Metz flash mount. For the Pro Flip Bracket.

**Item # MAFMM.....21.95**

**Quick Shoe Model 3 (211-571)**

For fast camera mounting. A two piece set in which one piece is attached to the camera and the other to the tripod. When this is done, the camera can instantly be mounted to, or removed from a tripod. Anti-rotation pins matched to the RZ, RB, 645 and TLR camera bodies. Takes just seconds to lock and release.

**Item # MAQS3645.....219.95**



*Left Hand Grip (212-550)*



*RZ Pro shown with attached Sun Shield (213-460) and RZ Power Winder II (212-621)*

**Infrared Multi Channel Remote Control Set (212-607)**

For use with the Power Winder II. The Infrared Multi Channel Remote Control Set consists of a transmitter, camera-mounted receiver and connecting cord. Choice of three infrared channels. Operating range up to 98 ft. (30m). Release the camera shutter without returning to the camera after each exposure.

Transmitter powered by two AA batteries; receiver powered by one 9V battery.

**Item # MARCIRSZ....544.95**

**Mirror Up Cable Release (213-461)**

Y-shaped double function cable release. Prevents even the slightest camera shake during slow-shutter-speed exposures. One cable connects to the camera body's shutter release, the other to the mirror-up switch. When the release is pressed, the mirror-up operation activates first, followed by operation of the shutter.

**Item # MACRMURZ.....72.95**

**Shutter Release Cable (211-433)**

Coil cord, one meter, locking switch for LT exposures.

**Item # MACR3645S.....72.95**



*Mirror Up Cable Release (213-461)*

**Shutter Release Cable (211-434)**  
Straight cord, 4 meters. Locking switch for LT exposures.

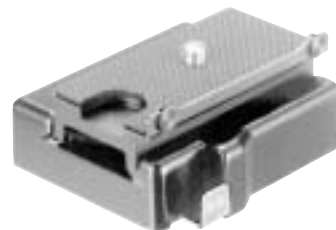
**Item # MACR13645S.....95.00**

**External Battery Case (210-512)**  
For cold temperature operation. Permits camera battery to be carried conveniently inside clothing. Connects by wire to camera's battery chamber. For 645 Pro and Super.

**Item # MABCE645P .....69.95**

**Tripod Spacer Plate (210-513)**  
For using External Battery Case with a tripod.

**Item # MASTPRZ .....17.95**



*Quick-Shoe Model 3 (211-571)*

**Rear Body Cap (212-606)**  
(Replacement.)

**Item # MABCRRZ.....5.95**

**Front Body Cap (212-611)**  
(Replacement.)

**Item # MABCRZ .....7.95**

**Neck Strap (301-500)**  
(Replacement.)

**Item # MASNRZQ .....39.95**

**Instruction Manual (219-604)**  
(Replacement.)

**Item # MAMRZ.....7.95**



## LENS ACCESSORIES

### Auto Extension Tubes

These extension tubes, for close-up and macrophotography, provide fully automatic shutter operation. The two tubes can be used individually or in combination. Since the bellows features an extension of 46mm, using the tubes provides a maximum extension of 173mm.

#### Auto Extension Tube

**No. 1** (212-350)

Extends lens 45mm from body.

**Item # MAETA1RZ .....439.00**

#### Auto Extension Tube

**No. 2** (212-351)

Extends lens 82mm from body.

**Item # MAETA2RZ .....475.00**

### AUTOMATIC EXTENSION TUBES CLOSE-UP DATA

Lens	Tube Used	Magnification	Area Covered (cm)
65mm F4L-A	No. 1	0.68~1.38	(8.2 x 10.2) ~ (4.1 x 5.0)
	No. 1	0.60~1.21	(9.4 x 11.7) ~ (4.7 x 5.8)
75mm f/3.5L	No. 2	1.10~1.70	(5.2 x 6.4) ~ (3.3 x 4.1)
	No. 1 + No. 2	1.68~2.30	(3.3 x 4.1) ~ (2.4 x 3.0)
90mm f/3.5	No. 1	0.50~1.01	(11.2 x 13.9) ~ (5.5 x 6.9)
	No. 2	0.91~1.42	(6.1 x 7.6) ~ (3.9 x 4.9)
110mm f/2.8	No. 1 + No. 2	1.41~1.92	(4.0 x 4.9) ~ (2.9 x 3.6)
	No. 1	0.41~0.82	(13.8 x 17.1) ~ (6.8 x 8.5)
127mm f/3.5	No. 2	0.74~1.15	(7.6 x 9.4) ~ (4.8 x 6.0)
	No. 1 + No. 2	1.15~1.56	(4.9 x 6.1) ~ (3.6 x 4.5)
140mm f/4.5	No. 1	0.35~0.72	(15.8 x 19.6) ~ (7.8 x 9.7)
	No. 2	0.65 ~ 1.01	(8.7 x 10.8) ~ (5.6 x 6.9)
150mm f/3.5	No. 1 + No. 2	1.00~1.36	(5.6 x 7.0) ~ (4.1 x 5.1)
	Macro	No. 1	0.32~0.64 (17.6 x 21.9) ~ (8.7 x 10.8)
180mm f/4.5	No. 2	0.58~0.90	(9.7 x 12.0) ~ (6.2 x 7.7)
	M-LA	No. 1	0.90~1.22 (6.3 x 7.8) ~ (4.6 x 5.7)
250mm f/4.5	No. 1	0.30~0.61	(18.7 x 23.2) ~ (9.3 x 11.5)
	No. 2	0.55~0.85	(10.3 x 12.7) ~ (6.6 x 8.2)
360mm f/6	No. 1	0.85~1.15	((6.6 x 8.2) ~ (4.9 x 6.0)
	No. 1	0.25~0.51	(22.2 x 27.6) ~ (11.0 x 13.6)
360mm f/6	No. 2	0.46 ~ 0.72	(12.2 x 15.1) ~ (7.8 x 9.7)
	No. 1	0.71~0.97	(7.9 x 9.8) ~ (5.8 x 7.2)
360mm f/6	No. 1	0.18~0.37	(30.4 x 37.7) ~ (15.0 x 18.6)
	No. 2	0.34~0.52	(16.7 x 20.7) ~ (10.7 x 13.3)
360mm f/6	No. 1 + No. 2	0.52~0.71	(10.8 x 13.4) ~ (7.9 x 9.8)
	No. 1	0.13~0.26	(44.2 x 54.8) ~ (21.8 x 27.1)
360mm f/6	No. 2	0.23~0.36	(24.2 x 30.1) ~ (15.5 x 19.3)
	No. 1 + No. 2	0.36~0.49	(15.6 x 19.4) ~ (11.5 x 14.3)

### Professional Lens Hoods

#### Professional

**Lens Hood G-3** (213-376)

Attaches to the front accessory thread of all 77ø lenses (zoom lens requires zoom lens Mounting Ring G-3). Utilizing scissor struts, instead of base rails, which expand and contract by means of a geared knob, this Professional Lens Hood G-3 provides highly efficient protection against extraneous light. It has inserting slots for 3" (7.6cm) square filter and a 4.7" (12cm) square size vignetter. Vignetter can adjust up and down within 14mm. The minimum extension is 2" (50mm), and the maximum extension is 6.9" (175mm). With 77mm mounting ring and 3" gelatin filter frame. Weighs 11.8 oz. (335g).

**Item # MABLHG3RZ ....519.00**

#### Professional

**Lens Hood G-2** (213-375)

Attaches to the front accessory thread of all 77ø lenses except the zoom lens. Provides optimum shading of the lens to prevent all stray light. Rack and pinion adjustment allows selection of optimal setting by actual preview; width is easily adjusted; includes a built-in 3" gelatin filter holder. Minimum extensions 1.2" (30mm) Maximum extension 4" (100mm). Includes 77mm mounting ring. Weighs 10.2 oz. (290g). Can be used on other brand lenses with step-down rings.

**Item # MABLHG2RZ ....189.00**

**Mounting Ring G-2** (213-387)

For Professional Lens Hood G-2. 77mm. (Replacement.)

**Item # MAMRG2RZ .....23.95**



*Professional Lens Hood G-3 (213-376)*

**Mounting Ring G-3** (213-378)

For Professional Lens Hood G-3. 77mm. (Replacement.)

**Item # MAMRG3RZ .....59.95**

**3" Gel Filter Frame** (213-388)

For Professional Lens Hood G-3. (Replacement.)

**Item # MAFFG3RZ .....29.50**

#### Zoom Lens

**Mounting Ring G-3** (213-379)

Allows the Professional Lens Hood to be used with the zoom lens whose front mount turns when focusing. When the mounting ring, which includes a rotation stopper is attached, the hood does not rotate. (Replacement.)

**Item # MAMRZG3RZ .....62.95**

#### Front

**Bellows Hood G-3** (213-377)

Used with the Professional Lens Hood G-3. Brings higher vignetting efficiency. Best if used with 127mm lens or longer (except zoom lens). Includes an inserting slot for 4.7" (12cm) square vignetter. The minimum extension is 1" (25mm); the maximum extension is 4.2" (105mm). Weighs 5.1 oz. (145g).

**Item # MAHFBG3RZ ....253.95**

### Lens Hoods

**Lens Hood** (213-370)

For 50 and 65mm lenses. (Replacement.)

**Item # MALH50RZ .....29.95**

**Lens Hood** (213-368)

For 75mm lenses. (Replacement.)

**Item # MALH75RZ .....28.50**

**Lens Hood** (213-371)

For 90 and 110mm lenses. (Replacement.)

**Item # MALH90RZ .....33.50**

**Lens Hood** (213-372)

For 127, 140, 150, 180 and 250mm lenses. (Replacement.)

**Item # MALH127RZ .....33.50**

**Lens Hood** (213-373)

For 360mm lenses. (Replacement.)

**Item # MALH360RZ .....29.95**

**Lens Hood** (213-374)

For 500mm lenses. (Replacement.)

**Item # MALH500RZ .....96.95**

**Lens Hood** (213-389)

For 100-200mm Zoom Lens. (Replacement.)

**Item # MALH100200RZ ..46.95**

**Sun Shield** (213-460)

Prevents sunlight from striking lens when lens hood use is not possible. Comes with case.

**Item # MASSRZ .....72.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# MAMIYA

## RZ67 PRO I



### LENS ACCESSORIES, continued

#### Lens Caps

Front Lens Cap (213-360)  
For 37mm fisheye lens.  
(Replacement.)  
**Item # MALC37RZQ .....9.95**

Front Lens Cap (213-361)  
For 77mm  $\phi$  lenses.  
(Replacement.)  
**Item # MALC77RZ .....5.95**

Front Lens Cap (213-364)  
For 105mm  $\phi$  lenses. (Replacement.)  
**Item # MALC105RB .....38.95**

Rear Lens Cap (213-363)  
For all lenses except 37mm  
lens. (Replacement.)  
**Item # MALCRRZ .....5.95**

Rear Lens Cap (213-365)  
For 50mm fisheye lens.  
(Replacement.)  
**Item # MALCR50RZ .....6.95**

#### Misc. Lens Accessories

Gelatin Filter Holder (214-452)  
For 3" (75mm) square filters.  
Fits onto all Mamiya 77mm  $\phi$   
lenses. (Also fits other manu-  
facturers lenses.)  
**Item # MAFHRZ .....57.95**

Lens Support Bracket (214-709)  
For 350mm or 360mm lenses.  
**Item # MABLS350RZ ....178.50**

Lens Support Bracket (212-321)  
For 100-200mm zoom lens.  
(Replacement.)  
**Item # MABLSZRZ .....166.50**

Lens Support Bracket (212-322)  
For 500mm lens. (Replacement.)  
**Item # MABLS500RZ ....253.95**

Cable Release Adapter (210-256)  
For 75mm shift lens.  
(Replacement.)  
**Item # MACRA75SRB .....23.95**



### CASES

Soft Camera Case (212-605)  
**Item # MACRZ .....124.95**

Aluminum Compartment Case  
KM705 Small (219-581)  
Heavy-duty shock protection  
during long-distance travel,  
shipping or rough handling.  
Holds camera and major acces-  
sories. Complete with moveable  
dividers. Dimensions: 18 x 13.5  
x 6.3" (460 x 344 x 160mm)  
WDH. Weighs 8.1 lbs. (3.7kg).  
**Item # MACAS .....322.00**

Aluminum Compartment Case  
KM706 Medium (219-582)  
Same as above, but 19.8 x 14.6  
x 7.2" (502 x 371 x 183mm)  
WDH. Weighs 10.8 lbs. (4.9kg).  
**Item # MACAM .....469.00**

Aluminum Compartment Case  
KM707 Large (219-583)  
Same as above, but 24.2 x 14.6  
x 7.2" (615 x 371 x 183mm)  
WDH. Weighs 12.6 lbs. (5.7kg).  
**Item # MACAL .....529.00**

Soft Lens Case #C (213-390)  
For 50, 65, 90, 110, 127, 150,  
180 and 250mm lenses.  
**Item # MALC50RZ .....44.95**

Soft Lens Case #3 (213-382)  
For 360mm lens.  
**Item # MALC360RZ .....64.95**

Soft Lens Case #4 (213-383)  
For 37mm lens.  
**Item # MALC37RZ .....67.50**

Soft Lens Case #5 (213-385)  
For 75mm shift and 100-  
200mm zoom lenses.  
**Item # MALC75SRZ .....88.95**

Hard Lens Case (213-386)  
For 37mm lens.  
**Item # MALC37RZZ .....46.95**

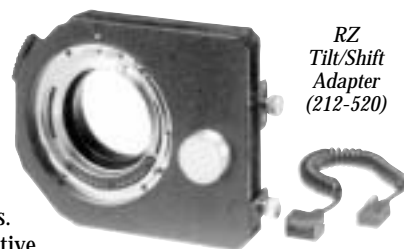
Trunk Lens Case (213-384)  
For 500mm lens.  
**Item # MALC500RZ .....216.95**

Case for Prism Finders (212-405)  
Replacement.  
**Item # MACPFRZ .....46.95**

#### Tilt/Shift Adapter

##### RZ Tilt/Shift Adapter (212-520)

Designed for Mamiya RZ  
lenses. Using its own  
bellows mechanism and elec-  
tronic connection, the  
adapter interfaces between  
the camera and lens, main-  
taining all electronic functions.  
This allows control of perspective  
and depth-of-field using tilt-and-shift move-  
ments similar to a view camera.  $\pm 8\%$  tilt and  $\pm 10$ mm shift with a  
mount distance of 24mm. With cable release adapter.  
**Item # MATSARZ .....1,499.00**



RZ  
Tilt/Shift  
Adapter  
(212-520)

##### Cable Release Adapter (212-521)

For RZ Tilt/Shift Adapter. (Replacement.)  
**Item # MACRTSARZ .....T.B.A.**



### VIEWFINDER ACCESSORIES

Prism Finder Cover (214-498)  
(Replacement.)  
**Item # MACPFRZQ .....13.95**

AE Prism Finder Cover (212-511)  
(Replacement.)  
**Item # MACAEFRZ .....15.95**

##### Rubber Eyecup (212-404)

For AE and PD Prism Finders. (Replacement.)  
**Item # MAECPF2RZ .....7.95**

#### Corrective Viewfinder Eyepieces

##### FOR THE WAIST-LEVEL FINDER

-3 Diopter (213-430) **Item # MADM3WLFZR ..22.00**

-1 Diopter (213-433) **Item # MADM1WLFZR ..22.00**

-2 Diopter (213-431) **Item # MADM2WLFZR ..22.00**

0 Diopter (213-434) **Item # MAD0WLFZR .....22.00**

-1.3 Diopter (213-432) **Item # MADM1.3WLFZR ..22.00**

+1 Diopter (213-435) **Item # MADP1WLFZR ...22.00**

##### FOR PRISM FINDERS

-4 Diopter (213-440) **Item # MADM4PFRZ ....22.00**

-.5 Diopter (213-444) **Item # MADM.5PFRZ ...22.00**

-3 Diopter (213-441) **Item # MADM3PFRZ ....22.00**

+1 Diopter (213-445) **Item # MADP1PFRZ .....22.00**

-2 Diopter (213-442) **Item # MADM2PFRZ ....22.00**

+2 Diopter (213-446) **Item # MADP2PFRZ .....22.00**

-1 Diopter (213-443) **Item # MADM1PFRZ ....22.00**

+3 Diopter (213-447) **Item # MADP3PFRZ .....22.00**



# PENTAX

## 645N 6x4.5 SYSTEM

*The Pentax 645N is the world's first autofocus medium format SLR with interchangeable lenses. This allows accurate horizontal and vertical autofocus even under the poorest lighting conditions. Predictive AF ensures sharp images whether the subject is moving toward or away from the camera even when using the built-in servo drive. Although all current Pentax 645 lenses are fully compatible, there are five new AF lenses to complement this system. In addition, TTL auto flash, auto bracketing and a low noise shutter coupled with full viewfinder information and data imprinting makes the Pentax 645N a truly breakthrough design.*



*Pentax  
645N shown  
with 75mm  
lens*

MEDIUM FORMAT

83

### FEATURES

- Professional quality and handling ease
- Predictive AF
- Exposure information displayed in the viewfinder
- Depth of field preview
- Seven exposure modes: Programmed, Aperture Priority, Shutter Priority, Metered Manual, TTL Flash, Programmed Flash and Leaf Shutter

#### Pentax 645N Body (15722)

With built-in grip, eyecup, front and rear cap, strap and natural bright center spot matte screen.

Item # PE645N .....2,142.00

#### Pentax 645N Kit

Pentax 645N Body with 75mm f/2.8 FA lens and 120 film insert.

Item # PE645NK .....2757.95

### 645N SPECIFICATIONS

#### TYPE:

6x4.5 format AF SLR camera with multi-mode TTL auto exposure

#### LENS MOUNT:

Pentax 645 AF mount (interchangeable with Pentax 645 A mount)

#### FILM ADVANCE:

Built in motor drive with single/consecutive modes. Automatic loading to first frame and auto advance to film end. Mid roll rewind possible

#### AUTO BRACKETING:

Allows the taking of three different exposures (-1/3 - 3EV)

*Subject to change without notice*

#### VIEWFINDER:

Built-in 90° viewfinder with +1 to -3.5 diopter correction. LCD indicators for focus, shutter speed, aperture, flash status, memory lock, exposure compensation, out-of-exposure coupling range warnings, over/under exposure indication in metered manual

#### METERING RANGE:

EV2-EV21 with 75mm f2.8 lens

#### METERING SYSTEM:

Dual six-segment, spot, and center-weighted metering

#### EXPOSURE MODES:

Aperture-priority AE, shutter-priority AE, programmed AE, and metered manual and bulb

#### FOCUSING SCREEN:

Interchangeable type; standard screen is Center Spot Matte. Three additional screens available

#### MULTIPLE EXPOSURE:

Via multi-exposure switch

#### LENS DIAPHRAGM:

Fully automatic instant reopening diaphragm action; aperture in half-stop increments; depth-of-field preview

#### SHUTTER:

Electronically controlled vertical-run cloth focal-plane shutter. Speeds from 30 sec.-1/1000 stepless. X-sync, Bulb, leaf shutter lens: 1/8sec. Shutter locked with main switch off

#### FILM INSERTS:

120 film; 220 film; 70mm double perforated film

#### FILM:

120 (16 exp.); 220 (33 exp.); 70mm (approx. 95 exp.)

#### FLASH SYNCHRONIZATION:

X-sync speed 1/60 sec.

#### FLASH:

Via x-sync contact in hot shoe + TTL center-weighted OTF system with dedicated electronic flash units

#### BATTERY:

6 1.5V AA batteries

#### DIMENSIONS:

5.9 x 4.4 x 4.6" (150 x 111 x 117mm.) W.H.D.

#### WEIGHT:

45.2 oz. (1280g) without batteries



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



# PENTAX

## 645

45mm  
f/2.8 Lens  
(26305)



35mm  
f/3.5  
Lens  
(26325)

### PENTAX FA LENSES

The Pentax FA auto focus lenses are designed with specially selected high grade optical glass. They are coated with Pentax's exclusive Super-Multi-Coating (SMC), a seven-layer process that reduces reflection ratio to an exceptionally low 0.2% per lens surface. The 300 and 400mm lenses have ED (extra-low dispersion) glass reducing chromatic aberration. They are also IF (internal-focusing) which shorten the minimum focusing distance.

### SPECIFICATIONS OF PENTAX FA LENSES

Lens	45mm	75mm	300mm	400mm	45-85mm
Aperture Range f.	2.8-22	2.8-22	4-32	5.6-45	4.5-32
Angle of View	76°	50°	13.5°	10°	76°-44.5°
Lens Construction	8G, 9E	5G, 6E	8G, 8E	6G, 7E	9G, 11E
Minimum Focusing	1.5' (.45m)	2' (.6m)	9.8' (3m)	9.8' (3m)	1.6' (.5m)
Weight	16.8 oz. (475g)	7.6 oz. (215g)	52.6 oz. (1490g)	44.4 oz. (1260g)	30.7 oz. (870g)
Length	2.6" (66mm)	1.56" (37.5mm)	8.3" (207.5mm)	10.1" (252mm)	3.99" (99.5mm)
Equivalent Length in 35mm Format	28mm	45mm	180mm	238mm	28-74mm
Filter Size	67mm	58mm	77mm	77mm	77mm

*Subject to change without notice*

### Wide Angle

45mm f/2.8 FA (26335)  
With case.  
Item # **PE4528645N .....\$851.00**

### Standard

75mm f/2.8 FA (26121)  
Item # **PE7528645N .....\$441.00**

### Telephoto

300mm f/4.0 ED(IF) FA (26505)  
With case and built-in lens hood.  
Item # **PE3004ED645N.....\$3,570.00**

400mm f/5.6 ED(IF) FA (26555)  
With case and built-in lens hood.  
Item # **PE40056ED645.....\$2,310.00**

### Zoom

45-85mm f/4.5 FA (26725)  
With case.  
Item # **PE458545645N .....\$1,743.00**



300mm f/4.0 ED(IF) (26425)

### PENTAX A LENSES

All Pentax 645A (manual focus lenses) will work on the 645N body, and indicate when in focus. However, they will not indicate focal length in the viewfinder. They are all Super-Multi-Coated, which produces sharp, high-contrast images without flair. This system includes many lenses for your photographic needs.

### Wide Angle

35mm f/3.5 (26325)  
With case.  
Item # **PE3535645 .....\$799.95**

45mm f/2.8 (26305)  
With case.  
Item # **PE4528645 .....\$729.95**

55mm f/2.8 (26315)  
With case.  
Item # **PE5528645 .....\$629.95**

45-85mm f/4.5 (26715)

### Standard

75mm f/2.8 (26101)  
Item # **PE7528645 .....\$349.95**

75mm f/2.8 LS (26115)  
Leaf shutter with case.  
Item # **PE7528S645 .....\$719.95**

### Telephoto

120mm f/4.0 Macro (26905)  
Macro with case.  
Item # **PE1204M645 .....\$759.95**

135mm f/4.0 LS (26415)  
Leaf shutter with case.  
Item # **PE1354S645 .....\$889.95**

150mm f/3.5 (26405)  
With case and built-in lens hood.  
Item # **PE15035645 .....\$579.95**

200mm f/4.0 (26435)  
With case and built-in lens hood.  
Item # **PE2004645.....\$679.95**

300mm f/4.0 ED(IF) (26425)  
With case and built-in lens hood.  
Item # **PE3004ED645..\$3,299.95**

600mm f/5.6 ED(IF) (26600)  
With trunk case and built-in lens hood.  
Item # **PE60056ED645..\$4,999.95**



### Zoom

45-85mm f/4.5 (26715)  
With case.  
Item # **PE458545645...\$1,499.95**

80-160mm f/4.5 (26705)  
With case.  
Item # **PE8016045645..\$1,379.95**

### Tele-Converter

1.4x Converter A (38405)  
For 120, 200, 300 and 600mm lenses with case.  
Item # **PE1.4X645 .....\$369.96**

2x Converter A (38406)  
For 35-600mm lenses with case.  
Item # **PE2X645 .....\$429.95**

**We Exhibit at National and Regional Shows/Conventions**



## SPECIFICATIONS OF PENTAX 645 LENSES

Lens	35mm	45mm	55mm	75mm	75mm LS	120mm	135mm	150mm	200mm
Aperture Range f.	35-22	2.8-22	2.8-22	2.8-22	2.8-22	4-32	4-32	3.5-32	4-32
Angle of View	90°	76°	65°	50°	50°	32°	29°	26°	20°
Lens Construction	8G, 9E	8G, 9E	7G, 8E	5G, 6E	5G, 6E	7G, 9E	5G, 5E	4G, 4E	4G, 4E
Minimum Focusing	1' (.3m)	1-5' (.45m)	1-5' (.45m)	2' (.6m)	2.5' (.75m)	1.3' (.39m)	4.1' (1.25m)	4.6' (1.4m)	6.6' (2m)
Weight	16.6 oz. (470g)	14 oz. (400g)	14.4 oz. (410g)	8.4 oz. (240g)	12.8 oz. (365g)	24.7 oz. (700g)	16.4 oz. (465g)	15.2 oz. (435g)	20 oz. (570g)
Length	2.7" (67mm)	2.6" (66mm)	2.4" (60mm)	1.4" (37mm)	1.9" (49mm)	4.4" (110mm)	2.7" (69mm)	2.8" (71mm)	5" (127mm)
Equivalent Length in 35mm Format	20mm	28mm	33mm	45mm	45mm	72mm	81mm	90mm	120mm
Filter Size	77mm	67mm	58mm	68mm	58mm	67mm	58mm	58mm	58mm

*Subject to change without notice*

## SPECIFICATIONS OF PENTAX 645 LENSES

Lens	300mm	600mm	45-85mm	80-160mm	1.4x Tele	2x Tele
Aperture Range f.	4-32	5.6-45	4.5-32	4.5-32	—	—
Angle of View	13.5°	6.6°	76°-44.5°	47°-24°	71.4% of lens used	50% of lens used
Lens Construction	8G, 8E	11G, 12E	9G, 11E	11G, 11E	4G, 5E	4G, 6E
Minimum Focusing	9.8' (.3m)	16.5' (5m)	1.6' (.5m)	3-3' (1m)	—	—
Weight	47.6 oz. (1360g)	175 oz. (4950g)	28.2 oz. (805g)	35.4 oz. (1010g)	9.3 oz. (265g)	12.3 oz. (350g)
Length	8.2" (208mm)	14" (355mm)	3.9" (100mm)	5.2" (131mm)	1.2" (31mm)	2.4" (60mm)
Equivalent Length in 35mm Format	180mm	360mm	28-74mm	48-100mm	1.4x lens used	2x lens used
Filter Size	77mm	49mm R. (128mm F.)	77mm	77mm	—	—

*Subject to change without notice*

## FILM INSERTS

Film inserts provide quick, easy film loading and unloading. Film inserts can be changed even when the camera is set on a tripod. Extra film inserts can be stored and carried in the Hard Case for Film Inserts with film already loaded.



**120 Film Insert 645** (38801)  
With hard case. 15 exposures.  
**Item # PEFB120645.....174.95**

**220 Film Insert 645** (38802)  
With hard case. 30 exposures.  
**Item # PEFB220645.....174.95**

**70mm Film Insert 645 Set** (38800)  
With long eyepiece, back cover, hard case and soft case. 90 exp.  
**Item # PEFB70S645.....839.95**



## VIEWFINDERS

**Ref Converter** (38440)  
With case. 90° right angle eyepiece attaches to the viewfinder for easier low-angle photography. The image is both laterally correct and unreversed.

**Item # PEFRA645.....239.95**

**Magnifier** (38435)  
With case. Magnifies the viewfinder image by two times for accurate focusing in close-up and copying work.

**Item # PEM645.....89.95**

70mm Film Insert 645 (38800)

Ref Converter (38440)



## EXTENDED PROTECTION PLAN FOR BRONICA, HASSELBLAD, LINHOF, MAMIYA, PENTAX AND ROLLEI MEDIUM FORMAT EQUIPMENT

COVERS ALL PARTS AND LABOR FOR 3 YEARS  
PAST MANUFACTURER'S WARRANTY.

*Must be purchased with camera or lens.*

**3 Year Extended Warranty**  
For cameras up to \$1000.  
**Item # MAEWPC2.....49.95**

**3 Year Extended Warranty**  
For cameras over \$1000.  
**Item # MAEWPC3.....59.95**

**3 Year Extended Warranty**  
For lenses up to \$500.  
**Item # MAEWPL1.....29.95**

**3 Year Extended Warranty**  
For lenses up to \$1000.  
**Item # MAEWPL2.....34.95**

**3 Year Extended Warranty**  
For lenses over \$1000.  
**Item # MAEWPL3.....49.95**

**3 Year Extended Warranty**  
For lenses over \$2000.  
**Item # MAEWPL4.....59.95**

*Dropped, misused, water, sand, or impact damaged equipment not covered.*





### FOCUSING SCREENS

#### Screens for the 645N

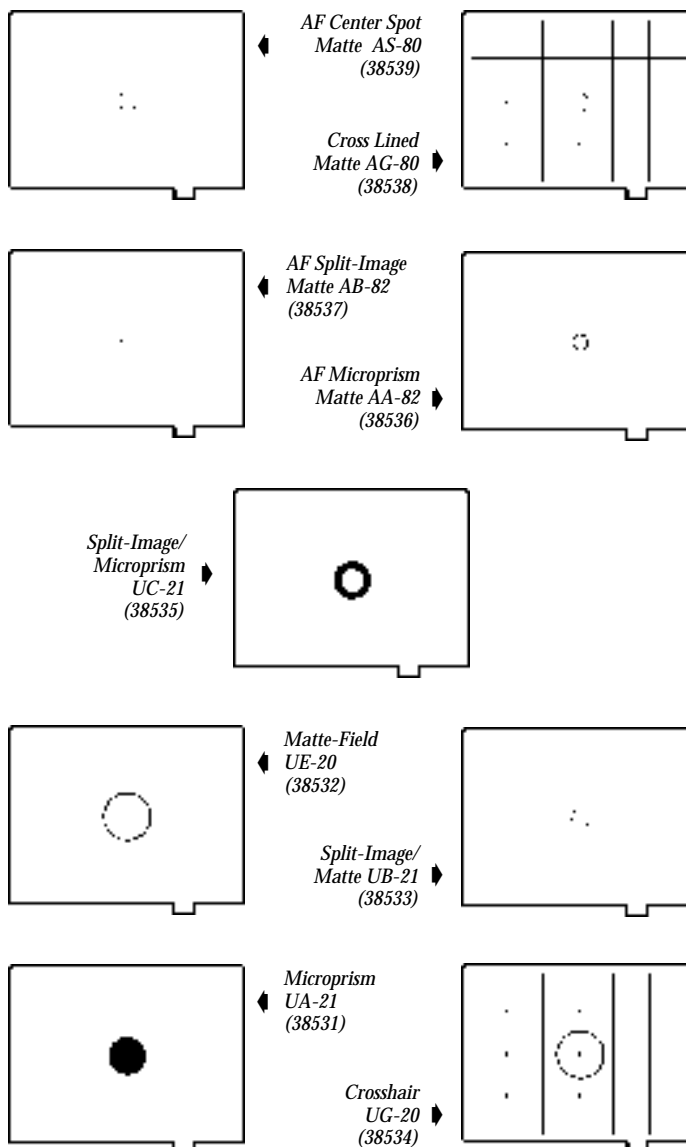
The bright screens for the 645N allow easy focusing and viewing even in low light. All screens have an AF frame which indicates the focusing area.

**AF Center Spot Matte AS-80** (38539)  
Standard screen. Supplied with the 645N. (Replacement.)  
**Item # PEFSAS80 .....59.95**

**Cross Lined Matte AG-80** (38538)  
Excellent for architectural photography and subjects that require accurate alignment of vertical and/or horizontal lines. Great for copy work and multi-exposures.  
**Item # PEFSAG80 .....59.95**

**AF Split-Image Matte AB-82** (38537)  
Ideal for manual focus operation. Simplifies manual focusing by alienating the split-image (even in low light). For general photography.  
**Item # PEFSAB82 .....59.95**

**AF Microprism Matte AA-82** (38536)  
For situations requiring use of long focal length lens in manual focus. Enables the user to focus manually throughout the screen.  
**Item # PEFSAA82 .....59.95**



#### Screens for the 645

The bright screens for the 645 are not interchangeable.

**Split-Image/Microprism UC-21** (38535)  
Horizontal split image with surrounding microprism collar. Excellent for most general uses. (Replacement.)  
**Item # PEFSUC21 .....49.95**

**Microprism UA-21** (38531)  
Central microprism on matte field.  
**Item # PEFSUA21 .....49.95**

**Matte-Field UE-20** (38532)  
All Surface matte. Good for portraits or where entire frame should be plainly visible.  
**Item # PEFSUE20 .....49.95**

**Crosshair UG-20** (38534)  
Checked 9mm; ensures accurate alignment with architectural shooting and when using shift lens or double exposure.  
**Item # PEFSUG20 .....49.95**

**Split-Image UB-21** (38533)  
Horizontal split-image on matte field.  
**Item # PEFSUB21 .....49.95**



### BODY ACCESSORIES

**Grip** (38471)  
With holder for 6AA batteries. (Replacement.)  
**Item # PEG645 .....218.95**

**Power Cord** (38451)  
10 ft. extension cord for Grip (38471). To be used in remote control.  
**Item # PEPC645 .....39.95**

**Tripod Quick Shoe Set** (38464)  
The top section of the Quick Shoe Set screws into the camera's tripod socket and the base attaches to tripod. The camera can be attached or removed from tripod without taking bracket off. Also for Pentax 67.  
**Item # PEQSS645 .....109.95**

**Tripod Quick Shoe** (38456)  
Mounts on tripod. Replacement for Quick Shoe Set. Also for Pentax 6 x 7.  
**Item # PEQS645 .....99.50**

**Tripod Quick Shoe Adapter Plate** (38458)  
Mounts on camera; ideal to have when more than one camera is being used on a tripod. Replacement for Tripod Quick Shoe Set. Also for Pentax 67.  
**Item # PEQSA67 .....53.95**

**Body Mount Cap** (38490)  
(Replacement.)  
**Item # PEBC645 .....12.95**

**Rear Body Cap** (38491)  
Used to protect body with film insert removed. (Replacement.)  
**Item # PERBC645 .....12.95**



Tripod Quick Shoe (38456)





## Auto Extension Tubes

Can be used singly or in any combination for close-up photography in all modes except Programmed Auto Flash. Magnification is from 0.35 x to 1.22x (with standard 75mm lens attached in normal position) or 2.57x (with 55mm lens attached in reverse).



**Auto Extension Tube-A No. 1** (38501)  
Extends lens 13.3mm from body.  
**Item # PEETA1645 .....94.95**

**Auto Extension Tube-A No. 2** (38502)  
Extends lens 26.6mm from body.  
**Item # PEETA2645 .....111.95**

**Auto Extension Tube-A No. 3** (38503)  
Extends lens 39.9mm from body.  
**Item # PEETA3645 .....146.50**

**Auto Extension Tube-A 645 Set** (38504)  
Consists of Auto Extension Tube 1, 2, 3 and case.  
**Item # PEETAS645 .....319.95**

**Helicoid Extension Tube** (38512)  
Used between camera and lens. Magnification can be adjusted from 0.57 x 1.06x (with standard 75mm lens attached in normal position) or from 1.93 x to 2.35x (with 55mm lens attached in reverse) by means of an internal helicoid thread to enable change of magnification. Can be used with all lenses except 300/4 ED IF.  
**Item # PEETH645 .....174.95**

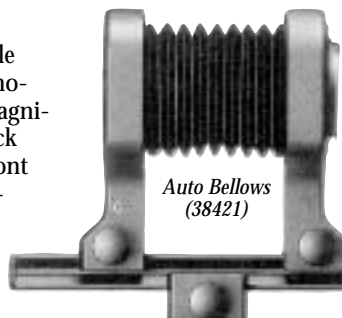


Helicoid Extension Tube (38512)

## Auto Bellows

**Auto Bellows** (38421)

With remote release cord and cable release. For closeups and macrophotography. Gives over 2x lifesize magnification with 75mm f/2.8 lens. Rack and pinion adjustment for rail, front and rear standards. Requires stop-down metering; Program operation not possible. Auto Diaphragm Operation is possible with Remote Release Cord and Cable Release 30 (both included). Uses 55-200mm lenses (excluding zoom lens). Bellows extension is 54mm minimum, 180mm maximum. 1/4" and 3/8" tripod sockets. 3.9 x 7.8 x 8.4" W.H.D. (100 x 197 x 213mm). Weighs 3.6 lb. (1.6 kg).  
**Item # PEBAS645 .....999.95**



**58mm Reverse Adapter 645** (38452)  
Allows lenses with 58mm  $\phi$  filter sizes to be mounted in reverse on extension tubes, auto bellows and other macrophotography accessories working at magnifications larger than life size.  
**Item # PERA58645 .....79.50**

**Reverse Attachment 645** (38453)  
Permits manual adjustment of aperture opening with lens mounted in reverse, protects bayonet mount and electronic contacts and accepts 58mm  $\phi$  filter.  
**Item # PERA645 .....69.95**

**Reverse Adapter Set 645** (38450)  
Consists of 58mm Reverse Adapter 645 and Reverse Attachment 645.  
**Item # PERAS58645 .....129.95**

**Adapter 645 for System 67 Lenses** (38454)  
Allows Pentax 67-system lenses to be used on the Pentax 645 body. Aperture-Priority AE 2, metered manual and TTL auto flash modes can be used.  
**Item # PEA64567 .....129.95**

**Adapter K for 645 Lenses** (38455)  
Allows use of 645 lenses on 35mm K, KA, and KF mount cameras.  
**Item # PEAK645 .....154.95**

## Lens Hoods

Lens Hoods eliminate unwanted reflections.

The following lenses do not come with built-in hoods

Lens	Lens Hood	Item #	B&H Price
35mm/3.5	RH-RB77	PELH35645 (38722)	34.95
45mm/2.8	RH-A67	PELH45645 (38703)	34.95
55mm/2.8	RH-B58	PELH55645 (38702)	34.95
75mm/2.8	RH-A58	PELH75645 (38701)	34.95
75mm/2.8 L.S.	RH-A58	PELH75645 (38701)	34.95
120mm/4 Macro	MH-RA67	PELHM120645 (34325)	53.95
135mm/4 L.S.	RH-A58	PELH135645 (38701)	34.95
45-85mm Zoom	RH-RDRD77	PELH4585645 (38723)	34.95
80-160mm Zoom	RH-A77	PELH80160645 (38721)	34.95
RH = Rubber Hood		MH = Metal Hood	

## Close-Up Lenses

Close-up lenses screw onto the front of the main lens for simple close-up photography. Choice of 0.42x for S33 and 0.32x for S56 with standard 75mm lens.

**Close Up Lens for S-33 58mm** (38411)  
**Item # PECULS33645 .....79.95**

**Close Up Lens for S-56, 58mm** (38412)  
**Item # PECULS56645 .....79.95**

## Lens Caps

**58mm  $\phi$  Lens Cap** (31573)  
(Replacement.)  
**Item # PELC58645 .....12.50**

**67mm  $\phi$  Lens Cap** (31653)  
(Replacement.)  
**Item # PELC67645 .....12.50**

**77mm  $\phi$  Lens Cap** (31702)  
(Replacement.)  
**Item # PELC77645 .....12.50**

**Rear Lens Cap** (38492)  
(Replacement.)  
**Item # PELCR645 .....9.95**



Adapter 645 for System 67 Lenses (38454)

## Gelatin Filter Holders

All accept 75mm square filters.

**58mm Gelatin Filter Holder with Frame** (35243)  
**Item # PEFH58 .....44.95**

**67mm Gelatin Filter Holder with Frame** (35240)  
**Item # PEFH67Q .....64.50**

**77mm Gelatin Filter Holder with Frame** (35244)  
**Item # PEFH77 .....89.50**

**Spare Frame for Gelatin Filter Holder** (35246)  
**Item # PEFHF .....9.95**



### LENS ACCESSORIES, continued

#### Super Multi-Coated Filters

##### 49mm ø Filters

*For 600mm lens (rear).*

Item #	Mfg #	Description	Price
PEUV49	(35601)	UV (ultraviolet)	27.95
PEY49	(35602)	Yellow -2	29.95
PEO49	(35603)	Orange -2	29.95
PER49	(35604)	Red -2	29.95
PESL49	(35605)	Skylight	27.95
PE81A49	(35606)	Cloudy (81A)	29.95

##### 58mm ø Filters

*For 55, 75, 135, 150 and 200mm lenses.*

Item #	Mfg #	Description	Price
PEUV58	(35431)	UV (ultraviolet)	39.95
PEO58	(35433)	Orange -2	43.50
PER58	(35436)	Red -2	43.50
PESL58	(35531)	Skylight	39.95
PE81A58	(35532)	Cloudy (81A)	43.50

##### 67mm ø Filters

*For 45 and 120mm lenses.*

Item #	Mfg #	Description	Price
PEUV67	(35451)	UV (ultraviolet)	59.95
PEY67	(35452)	Yellow -2	66.95
PEO67	(35453)	Orange -2	62.50
PER67	(35454)	Red -2	62.50
PESL67	(35551)	Skylight	62.50
PE81A67	(35552)	Cloudy (81A)	62.50

##### 77mm ø Filters

*For 35, 300mm and zoom lenses.*

Item #	Mfg #	Description	Price
PEPF77	(35620)	Protective Front Clear	94.95
PEUV77	(35481)	UV (ultraviolet)	68.95
PEY77	(35482)	Yellow -2	68.95
PEO77	(35483)	Orange -2	68.95
PER77	(35484)	Red -2	68.95
PESL77	(35581)	Skylight	68.95
PE81A77	(35582)	Cloudy (81A)	68.95

##### 128mm ø Filters

*For 600mm lenses.*

Item #	Mfg #	Description	Price
PEPF128	(35622)	Protective Front Clear	372.95

#### Circular Polarizing Filters

Item #	Mfg #	Description	Price
PECP49	(35094)	49mm C.P. Filter	64.95
PECP58	(38601)	58mm C.P. filter	79.95
PECP67	(38611)	67mm C.P. filter	109.95
PECP77	(35182)	77mm C.P. filter	159.95



### VIEWFINDER ACCESSORIES

**Long Eyepiece** (38807)  
For 70mm insert. (Replacement.)  
**Item # PEEFPB70645.....285.95**

**645 Eyecup** (38461)  
(Replacement.)  
**Item # PEEC645 .....9.95**

**645 Large Eyecup** (38463)  
(Replacement.)  
**Item # PEECL645 .....29.95**



### FLASH ACCESSORIES

#### AF-500 FTZ Auto Zoom Flash (30367)

With a large guide number of 36 (at ISO 100/m with a standard 75mm standard lens), this powerful flash unit features an auto zoom function which changes the angle of discharge according to the lens focal length (35 - 120mm). It is also equipped to satisfy a diverse range of advanced applications such as bounce flash, trailing-shutter-curtain sync, multiple emission, and slave flash.  
**Item # PEA500FTZ.....284.95**



AF-500 FTZ  
(30367)

#### AF-330 FTZ Auto Zoom Flash (30312)

With a guide number of 24 (at ISO 100/m with a standard 75mm standard lens) and powered by 4 AA-size batteries, the AF-330 offers such features as an auto zoom function (45-120mm) and trailing-shutter-curtain sync.  
**Item # PEA330FTZ.....149.95**



## FLASH ACCESSORIES

### AF-400T Kit (30388)

A professional handle mount unit for those who require added power. It offers TTL, three power settings with Auto Flash, and four power settings with manual operation. Its rotating flash head can be adjusted 270° horizontal, 90° vertical and features a -15° setting for close-ups. A choice of four power supply sources is offered. Includes clamp, Q. R. bracket, AA grip battery pack and 4P sync.

**Item # PEA400TK .....399.95**

### AF-400T with Clamp (30390)

Without bracket or battery holder.

**Item # PEA400T .....356.95**

### AF-280T Flash with Case (30381)

Versatile shoe mount unit features a rotating flash head with 270° horizontal and 90° vertical settings plus a -15 setting for close-up work. TTL and Auto Flash settings and two aperture settings. The rotating head is especially useful for bounce or angle flash in the TTL mode.

**Item # PEA4280T .....159.95**

### Wide Angle Adapter (30018)

For AF280T.

**Item # PEWAAAF200S ....16.50**

### Telephoto Adapter (30019)

For AF280T.

**Item # PETA4AF280T .....22.50**

### Wide Angle Adapter II (30398)

For AF-400T.

**Item # PEWAA2AF400T ..16.50**

### Telephoto Adapter II (30399)

For AF-400T.

**Item # PETA2AF400T .....27.95**

### 4P Sync Cord B (37342)

3 ft. (1m). Hot shoe contact. For AF-400T or hot shoe grip. (Replacement with AF-400T kit.)

**Item # PESCB4P .....44.95**

### 4P Synchro Cord B (37346)

16 ft. (5m). Hot shoe contact. For AF-400T or hot shoe grip.

**Item # PESCB4P16 .....49.50**

### 4P Sync Cord C (37343)

3ft. (1m). For AF-400T or hot shoe grip for PC Terminal/Non-TTL.

**Item # PESCC4P .....33.50**

### Hot Shoe Grip (37126)

Handle with shoe for off-camera TTL Flash.

**Item # PEGHS .....44.95**

### Quick Release

Bracket 35mm (30392)

Holds AF-400T or hot shoe grip. (Replacement for AF-400T Kit.)

**Item # PEBQR .....31.95**

### Quick Release Bracket 645 (38462)

To hold AF-400T or hot shoe grip.

**Item # PEB4AF400T645.....49.95**

AF-280T  
Flash  
(30381)



## CASES

### Soft Case (38850)

Will hold camera body, large eyecup and any lens from 45-150mm. Made from soft suede.

**Item # PEC645 .....89.95**

### Metal Case with Side Case (38855)

Adjustable partitioned lightweight aluminum case. Holds a camera, lenses and accessories. Includes a removable vinyl side bag. Dimensions: 18 x 13 x 6".

**Item # PECM645Q .....429.95**

### Soft Lens Case S80-120 (33924)

For 35, 45, 135 LS, 150mm lenses and 2x converter.

**Item # PELCS80120 .....32.50**

### Soft Lens Case S80-160 (33925)

For 120 macro, 200mm, and 45-85mm zoom lenses.

**Item # PELCS80160 .....39.95**

### Hard Lens Case

HE-189B (38865)

For 80-160mm zoom lens.

**Item # PELCHE189B .....56.95**

### Clamp for AF-400T (30389)

Attaches Quick Release Bracket to AF400T or hot shoe grip.

(Replacement for AF-400T Kit.)

**Item # PECQ .....29.95**

### Hot Shoe Adapter 645 Leaf Shutter (38460)

Adjusts flash synchronization of Pentax dedicated flash units for use with 75mm LS lens.

**Item # PEHSA645 .....38.50**

### Distributor (37330)

For multiple off-camera TTL flash setups with 1-3 flashes.

Connects to camera with a 4P sync cord. Requires 4P multisync cord (37331) for each flash.

**Item # PED .....39.95**

### 4P Multi-Sync Cord (37331)

16 ft. (5m).

**Item # PECSM4P .....39.95**

### Grip Battery Pack (30394)

AA battery grip for AF 400. Replacement for AF 400T kit.

**Item # PEGBPAF400T .....44.95**

### Hot Shoe Cover (31012)

**Item # PEHSC .....8.95**

### Power Pack 510V (37205)

With power cord. For AF-400T flash. Power pack will accept a 510V battery for more flashes and faster recycling time. Supplied with shoulder strap belt loop. Approximately 300 flashes at full power with a recycling time of 2 sec.

**Item # PEPP510AF400...197.95**

### Transistor Power Pack (37208)

For AF-400T flash. Power pack will accept 6 "C" cell batteries. Supplied with shoulder strap and belt loop. Approximately 210 flashes at full power.

**Item # PETPPAF400T....123.50**

### AC Adapter II 120V (30395)

For AF-400T.

**Item # PEACA2AF400T...99.95**

### Power Cord (90101)

For Power Pack 510V. (Replacement.)

**Item # PEPCPP510 .....26.95**

### Hard Case HG-115D (38867)

For Auto Extension Tube-A 645 Set (38504).

**Item # PECAETS645 .....52.95**

### Soft Case (38808)

For 70mm film inserts. (Replacement.)

**Item # PECFB70645 .....38.95**

### Hard Case for

Film Inserts (38806)

For all film inserts. (Replacement.)

**Item # PECFB645 .....24.95**

### Case for Ref Converter (38442)

(Replacement.)

**Item # PECRAF645 .....19.50**

### Case for Magnifier (38437)

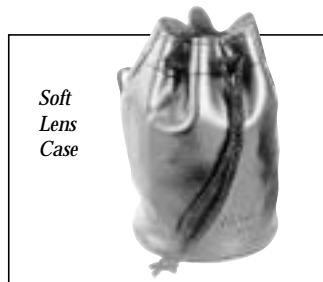
(Replacement.)

**Item # PECM645 .....19.50**

### Case for AF-280T (30382)

(Replacement.)

**Item # PECAF280T .....12.50**



### Hard Lens Case

HG-115C (38862)

For 55mm lens.

**Item # PELCHG115C .....43.95**

### Hard Lens Case HG-170 (38868)

For 120mm macro lens.

**Item # PELCHG170 .....43.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

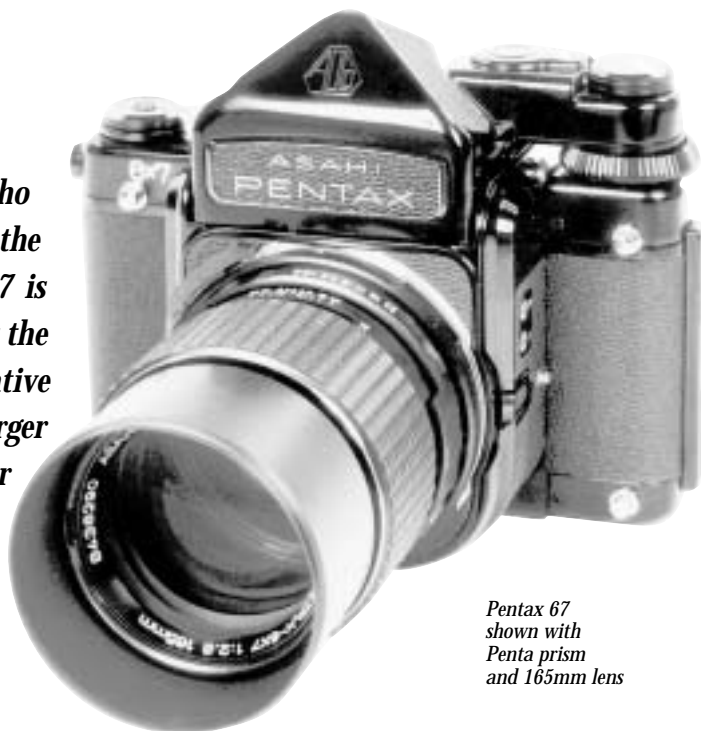
# PENTAX

## 67 6X7 SYSTEM

MEDIUM FORMAT

90

*The Pentax 67 is for the exacting professional who desires large-format image quality combined with the traditional virtues of the 35mm SLR format. The 67 is balanced like a 35mm for easy handling. It eliminates the problem of negative waste by increasing usable negative area by 50%. And with an image area four times larger than that of a 35mm camera, fine-grained, superior quality image definition is achieved. The SLR design offers versatile eye-level viewing, a fast electronic focal plane shutter and a rapid-wind lever. Unmatched image quality and maximum handling ease - get the best of both worlds with the Pentax 67.*



*Pentax 67  
shown with  
Penta prism  
and 165mm lens*

### FEATURES

- Image area is four times larger than 35mm for sharper resolution, superior image quality and less grain
- 35mm-SLR design with SLR type 180° rapid wind lever
- Direct winding onto take-up spool
- Accepts 120 or 220 roll film by simply shifting the film pressure plate
- Quick lens change

#### Pentax 67 Body (15411)

With micro prism focusing screen installed. Includes 4LR44 battery.

Item # PE67.....999.95

#### Pentax 67 Kit

Pentax 67 body with 105mm f/2.4 lens and waist-level finder.

Item # PE67K.....1489.95

### 67 SPECIFICATIONS

#### TYPE:

6 x 7cm format (2 1/4 x 2 1/4") single lens reflex camera with interchangeable lenses and finders

#### LENS MOUNT:

Dual bayonet mount

#### FILM ADVANCE:

Rapid-wind lever with self-cocking shutter. 180° stroke

#### VIEWFINDER:

Interchangeable finder system; 90% of actual field of view with Pentaprism; 100% with waist-level finder

#### FOCUSING SCREEN:

Built-in matte screen with microprism. (Optional focusing screens can be factory installed)

#### MIRROR LOCK-UP:

Possible with mirror lock-up switch

#### LENS DIAPHRAGM:

Fully automatic instant reopening diaphragm action; depth-of-field preview

#### SHUTTER:

Electronically timed, double curtain focal plane shutter; X, B, 1 to 1/1000 sec.

#### FILM:

120 (10 exposures) or 220 (20 exposures) roll film

#### FLASH

#### SYNCHRONIZATION:

FP and X terminals; electronic flash at 1/30 to 1 sec., B

#### FLASH:

Via x-contact on side of camera

#### BATTERY CHECK:

Via battery switch on side of camera

#### BATTERY:

Uses PX-28 silver oxide, PX28L lithium, 4LR44 alkaline or equivalent 6V batteries

#### DIMENSIONS:

6.9 x 5.9 x 3.5" (177 x 150 x 91mm) W.H.D with pentaprism

#### WEIGHT:

61.3 oz. (1750g) with pentaprism

*Subject to change without notice*

Literature Available Upon Request





## PENTAX 67 LENSES

All Pentax 67 lenses are designed at Pentax's own engineering department for optimum handling ease and smaller, lighter body construction. They are extensively tested in Pentax's own laboratories to maintain the highest standards of quality.

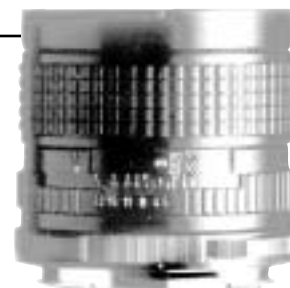
The most distinguished feature of 67-System lenses is Pentax's exclusive Super-Multi-Coating, a unique seven-layer lens coating process that transmits a remarkable 99.8% of incident light for an extra-bright image, higher resolution, better contrast and outstanding color balance, while almost completely eliminating flare and ghost images for sharper, more lively photographs.

### Standard

Extremely versatile lenses are suited for almost all general photographic purposes.

**90mm f/2.8** (29248)  
**Item # PE902867.....599.95**

**105mm f/2.4** (29029)  
**Item # PE1052467.....469.95**



75mm f/4.5 Lens (29274)



55mm f/4 Lens (29210)

### Wide Angle

**35mm f/4.5** (29120)  
Fish-eye with case.  
**Item # PE354567.....1,199.95**

**55mm f/4** (29210)  
With case.  
**Item # PE55467.....899.95**

**45mm f/4** (29250)  
With case.  
**Item # PE45467.....899.95**

**75mm f/4.5** (29274)  
With case.  
**Item # PE754567 .....579.95**

**75mm f/4.5 Shift** (29220)  
With case. Ideal for architectural subjects; allows the photographer to correct converging lines with a maximum shift of 20mm in all directions.  
**Item # PE7545S67 .....2,099.95**

### SPECIFICATIONS OF PENTAX 67 LENSES

Lens	35mm	45mm	55mm	75mm	75mm Shift	90mm	105mm
Aperture Range f.	4.5-22	4-22	4-22	4.5-22 manual	4.5-32	2.8-22	2.4-22
Angle of View	180°	89°	78°	61°	61°	53°	46°
Lens Construction	7G, 11E	8G, 9E	7G, 8E	4G, 5E	8G, 9E	5G, 7E	5G, 6E
Minimum Focusing	1.5' (.45m)	1.2' (.37m)	1.1' (.35m)	2.3' (.7m)	2.3' (.7m)	2.1' (.65m)	3.3' (1m)
Weight	32.5 oz. (920g)	17.1 oz. (485g)	25.6 oz. (725g)	19.8 oz. (560g)	33.5 oz. (950g)	21.5 oz. (610g)	16.9 oz. (480g)
Length	2.9" (73mm)	2.2" (57mm)	3" (78mm)	3.2" (81mm)	4.1" (106mm)	1.9" (49mm)	2.4" (60mm)
Equivalent Length in 35mm Format	16mm	24mm	28mm	35mm	35mm	50mm	55mm
Filter Size	Rear gel filter clip	82mm*	77mm	82mm*	82mm*	67mm*	67mm*

*Subject to change without notice*

*\*Please Note! These lenses are threaded and have a bayonet mount for bayonet filters*

### SPECIFICATIONS OF PENTAX 67 LENSES

Lens	120mm	135mm	165mm	165mm L.S.	200mm	300mm	400mm ED
Aperture Range f.	3.5-22 manual	4-32	2.8-22	4-32	4-32	4-45	4-45
Angle of View	40°	36°	30°	30°	25°	17°	12°
Lens Construction	3G, 4E	3G, 5E	5G, 6E	4G, 5E	4G, 5E	5G, 5E	9G, 9E
Minimum Focusing	2.5' (.75m)	2.5' (.75m)	5.2' (1.6m)	5.2' (1.6m)	4.9' (1.5m)	16.4' (5m)	9.2' (2.8m)
Weight	21.7 oz. (615g)	21.9 oz. (620g)	29.3 oz. (830g)	27.5 oz. (780g)	28 oz. (795g)	50 oz. (1420g)	131 oz. (3700g)
Length	2.5" (63mm)	3.7" (95mm)	3.9" (98mm)	3" (77mm)	5.3" (135mm)	7.3" (186mm)	12" (305mm)
Equivalent Length in 35mm Format	60mm	70mm	85mm	85mm	105mm	155mm	210mm
Filter Size	77mm	67mm*	67mm*	77mm	77mm	82mm*	112mm, 67mm rear

*Subject to change without notice*

*\*Please Note! These lenses are threaded and have a bayonet mount for bayonet filters*

400mm  
f/4 ED IF  
(29415)



## PENTAX 67 LENSES, continued

### Telephoto

**120mm f/3.5 Soft Focus** (29294)  
With case. Depending on f-stop used, this lens offers varying degrees of soft-focus around the subject.  
**Item # PE1203567.....709.95**

**135mm f/4 Macro** (29824)  
With case. For close up work.  
**Item # PE1354M67.....659.95**

**165mm f/2.8** (29300)  
With case and built-in shade.  
**Item # PE1652867.....729.95**

**165mm f/4 Leaf Shutter** (29301)  
With case. Allows flash synch to 1/500 second.  
**Item # PE1654S67 .....809.95**

**200mm f/4** (29340)  
With case.  
**Item # PE200467.....789.95**

**300mm f/4** (29330)  
With case and built-in shade.  
**Item # PE300467 .....1,299.95**

**400mm f/4 ED IF** (29415)  
With trunk case and shade.  
**Item # PE4004ED67...5,799.95**

**500mm f/5.6** (29404)  
With trunk case and shade.  
**Item # PE5005667 .....2,499.95**

**600mm f/4** (29424)  
With trunk case and shade.  
**Item # PE600467 .....3,999.95**

**800mm f/4** (29434)  
With trunk case and shade.  
**Item # PE800467 .....7,299.95**

**800mm f/6.7 ED IF** (29436)  
With rear converter and trunk case and shade.  
**Item # PE80067ED67.10,999.95**

**1000mm f/8 Reflex** (29454)  
With trunk case and built-in filters and shade.  
**Item # PE1000867 .....5,899.00**

### Tele-Converter

**Rear Converter 1.4x** (37932)  
With case. For 165-400mm lenses.  
**Item # PE1.4X67.....519.95**

**Rear Converter 2x** (37934)  
With case. For 35-800mm lenses (except 75mm shift and 500mm)  
**Item # PE2X67.....589.95**

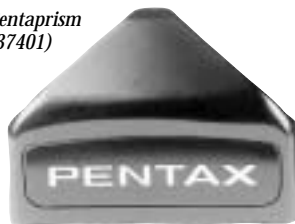
### SPECIFICATIONS OF PENTAX 67 LENSES

Lens	500mm	600mm	800mm	800mm ED	1000mm	1.4x Tele	2x Tele
Aperture Range f.	5.6-45	4-45 manual	4-45 manual	6.7-45	8	—	—
Angle of View	10°	8.5°	6.4°	6.4°	5.1°	71.4% of lens used	50% of lens used
Lens Construction	4G, 4E	5G, 6E	6G, 6E	8G, 9E	6G, 9E	3G, 5E	5G, 6E
Minimum Focusing	26.2' (8m)	39.4' (12m)	65.6' (20m)	26.2' (8m)	115' (35m)	—	—
Weight	113 oz. (3200g)	212 oz. (6000g)	625 oz. (17,700g)	229 oz. (6500g)	235 oz. (6660g)	18.3 oz. (520g)	19.8 oz. (560g)
Length	15.7" (398mm)	14.6" (370mm)	24" (611mm)	22.2" (565mm)	13.9" (352mm)	1.5" (39mm)	2.8" (71mm)
Equivalent Length in 35mm Format	260mm	320mm	400mm	400mm	560mm	1.4x lens used	2x lens used
Filter Size	95mm	77mm rear	77mm rear	128mm, 67mm rear	77mm rear	—	—

*Subject to change without notice*

## VIEWFINDERS

**Pentaprism**  
(37401)



**Pentaprism** (37401)  
Extremely compact bright viewing. The Pentaprism shows 90% of the image area. Laterally correct unreversed image. Weighs 16.2 oz. (460g).  
**Item # PEPF67.....219.95**

**TTL Pentaprism Finder** (37966)  
Automatically couples with the shutter speed and aperture for the "zero-method" exposure control system. The TTL meter provides a brighter viewfinder image, which is laterally correct and unreversed. The measurement range is EV 2.5-19. ASA 12-3200. Shutter speeds from 1 to 1/1000 sec. with ASA 100 film. Diaphragm settings from f/2 to f/22. 6V battery powers the finder and shutter mechanism. Weighs 18.3 oz. (520g).  
**Item # PEFTTL67 .....439.95**

**Waist-Level Finder** (37403)  
(Folding Focusing Hood)  
The ultra bright waist-level viewing offered by this compact folding finder is ideal for macrophotography and ultra-telephotography. It has a built-in 1.6x magnifier for critical focusing that can be flipped out of the way for full-screen focusing and composition. The waist-level finder simplifies low-angle shooting and shows 100% of the negative area on the screen.  
**Item # PEFH67.....119.95**

**Rigid Magnifying Hood** (37406)  
This deluxe waist-level type finder completely shields the focusing screen from ambient light for crisp, clear viewing. An adjustable diopter built into its 1.3x magnifier compensates for the photographers eyesight, allowing maximum viewing comfort. The entire focusing screen is visible for a 100% view of the negative area.  
**Item # PEMH67 .....199.95**



## BODY ACCESSORIES

### Tripod Quick Shoe Set (38464)

The top section screws into camera's tripod socket; the base attaches to tripod camera and can be attached or removed from the tripod without taking the bracket off.

**Item # PEQSS67.....109.95**

### Tripod Quick Shoe (38456)

Mounts on tripod. Replacement for Quick Shoe Set.

**Item # PEQS67.....99.50**

### Tripod Quick Shoe

#### Adapter Plate (38458)

Mounts on camera; ideal to have when more than one camera is being used on a tripod. Replacement for Quick Shoe Set.

**Item # PEQSA67.....53.95**

### Remote Battery Cord (37990)

5 ft. (1.5m). When batteries are used at below-freezing temperatures, their voltage may drop, causing malfunction of the electronic shutter. The Remote Battery Cord is designed to eliminate the possibility of this problem. One end of the cord contains the battery chamber and fits in a warm pocket, while the opposite end of the cord is plugged into the camera.

**Item # PEBCR67.....39.95**

### Hand Grip (37970)

With accessory shoe. Can easily be attached or removed with a single hand and has an accessory shoe to accept flash units. Once attached to the camera, it offers a secure grip for the left hand.



**Item # PEGH67.....97.95**

### Camera Strap (37430)

**Item # PES67.....33.95**

### Body Cap (37432)

**Item # PEBC67.....14.95**

### Finder Cap (37434)

For the top of the 67 body. Replacement.

**Item # PEFC67.....14.95**



## LENS ACCESSORIES

### Auto Extension Tubes

#### Auto Extension Tube

##### Set (Inner) (37910)

With case. Set of 3 tubes can be used singularly or in combination on the inner bayonet mount with lenses from 55mm wide angle to 500mm telephoto (excluding the 400mm lens). Fully automatic diaphragm action is retained and magnifications greater than life-size can be produced.

**Item # PEETAS67.....209.95**

#### Extension Tube Set (Outer) (37900)

With case. A two-piece extension tube set used on the outer bayonet mount of the Pentax 6 x 7 to extend the minimum focusing distance of ultra telephoto lenses (excluding the 500mm and M\* 800mm lenses). The tubes can be used in combination with each other or with the Pentax rear converter.

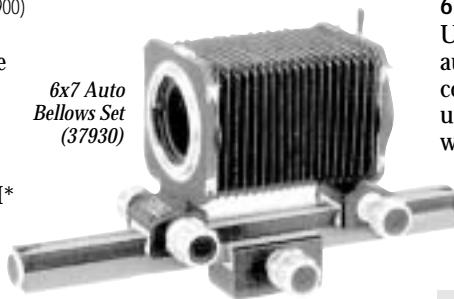
**Item # PEETS67.....147.50**

#### Helicoid Extension Tube (37919)

With case. This single extension tube, which is used on the inner bayonet mount, offers continuously variable 32-52mm extension for precise control of the image size. It is equal to the No. 2 Auto Extension Tube at minimum extension, and to the No. 3 Auto Extension Tube at maximum extension.

**Item # PEETH67.....149.95**

6x7 Auto  
Bellows Set  
(37930)



### AUTOMATIC EXTENSION TUBES CLOSE-UP DATA

Tubes can also be combined for greater magnification

Lens	Extension Tube	Magnification	Area Covered (cm)
45mm	1	0.51	10.8 x 13.6
	2	0.80	6.9 x 8.6
	3	1.39	4.0 x 5.0
55mm	1	0.58	9.5 x 11.9
	2	0.83	6.6 x 8.3
	3	1.33	4.1 x 5.2
75mm	1	0.33	16.5 x 20.7
	2	0.52	10.5 x 13.2
	3	0.89	6.7 x 7.7
90mm	1	0.36	15.5 x 19.4
	2	0.51	10.8 x 13.6
	3	0.81	6.8 x 8.9
105mm	1	0.27	20.6 x 25.9
	2	0.40	13.8 x 17.3
	3	0.67	8.3 x 10.4
135mm	1	0.41	13.3 x 16.7
	2	0.52	10.6 x 13.3
	3	0.73	7.6 x 9.5
165mm	1	0.20	25.3 x 31.8
	2	0.30	18.2 x 22.9
	3	0.47	11.7 x 14.6
200mm	1	0.26	21.4 x 26.8
	2	0.33	16.8 x 21.1
	3	0.47	11.8 x 14.8
300mm	1	0.11	48.5 x 60.9
	2	0.16	33.7 x 42.3
	3	0.26	21.4 x 26.9

### Automatic Bellows

#### 6 x 7 Auto Bellows Set (37930)

With double case release and scale. Magnification of 0.5x to 3.3x is possible with the combination for Auto Bellows and standard lens. Diaphragm automation is retained with the aid of a double cable release, even when the lens is mounted in reverse. All lenses from 90mm to 300mm can be used with the Auto Bellows.

**Item # PEBAS67.....1,389.95**

#### 67 Slide Copier (37945)

Used in conjunction with the auto bellows unit to make copies of mounted or unmounted transparencies, whether 35mm or from 6 x 7 format. Life-size or partially cropped duplicates can be made from originals.

**Item # PES67.....859.95**

### Misc. Close-Ups

#### 67mm Reverse Adapter (37941)

The 67mm reverse adapter makes it possible to use the 90, 105, and 135mm lenses mounted in reverse on the Helicoid Extension Tube, Auto Extension Tubes, or Auto Bellows for superior optical performance when working at greater-than-life size magnification.

**Item # PERA6767.....59.95**

#### 49mm Reverse Adapter (37943)

Allows 49mm filter size lenses to be mounted in reverse on the Helicoid Extension Tube for macrophotography. Lenses designed for 35mm SLR may be used.

**Item # PERA4967.....72.95**

#### Close-Up Lens 67mm, S82 (37830)

For 90/2.8 and 105/2.4 lenses.

**Item # PECULS8267.....99.95**

#### Close-Up Lens 67mm, T132 (37831)

For 150/2.8, 165/2.8 and 200/4 lenses.

**Item # PECULT13267.....99.95**

#### Close-Up Lens 67mm,

##### T226 (37832)

For old style 200mm f4 lens.

**Item # PECULT22667.....99.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



## LENS ACCESSORIES, continued

### Lens Hoods

Lens hoods eliminate unwanted reflections.

### Lens Hoods

The following lenses do not come with built-in hoods

Lens	Lens Hood	Item #	Code	B&H Price
<b>35mm</b>	Not Recommended	—	—	—
<b>45mm</b>	PH-SB82	PELH4567	(37665)	53.95
<b>55mm</b>	PH-SA77	PELH5567	(37626)	53.95
<b>75mm</b>	PH-SA82	PELH7567	(37628)	53.95
<b>75mm Shift</b>	Not Recommended	—	—	—
<b>90mm</b>	PH-SB67	PELH9067	(37663)	53.95
<b>105mm</b>	PH-SB67	PELH10567	(37663)	53.95
<b>120mm</b>	RH-RC77	PELH12067	(37639)	53.95
<b>135mm</b>	PH-SA67	PELH13567	(37661)	53.95
<b>135mm</b>	MH-RA67	PELHM13567	(34325)	53.95
<b>165 L.S.</b>	RH-RC77	PELH16567	(37639)	53.95
<b>200mm</b>	MH-RA77	PELH20067	(37637)	53.95
RH = Rubber Hood    MH = Metal Hood    PH = Plastic Hood				

### Super Multi-Coated Filters

#### 67 ø Bayonet Filters

With front threads.

Item #	Mfg. #	Description	Price
PEY67B67	(37507)	Yellow -2 [48]	87.50
PEO67B67	(37508)	Orange -2 [023A]	87.50
PER67B67	(37509)	Red -2 [R25]	87.50

#### 77 ø Threaded Filters

With front threads. For 55, 120, 165 L.S., 200, 600, 800 and 1000mm lenses.

Item #	Mfg. #	Description	Price
PEPF77	(35620)	Protective Front Clear	94.95
PEUV77	(35481)	UV (ultraviolet)	68.95
PEY77	(35482)	Yellow -2	68.95
PEO77	(35483)	Orange -2	68.95
PER77	(35484)	Red -2	68.95
PESL77	(35581)	Skylight	68.95
PEB1A77	(35582)	Cloudy (81A)	68.95
PECP77	(35182)	Circular Polarizing	159.95

#### 112 ø Filters

For 400mm ED lens.

Item #	Mfg. #	Description	Price
PEPF112	(35621)	Protective Front Clear	224.95

#### 67 ø Filters

With front thread. For 90, 105, 135, 165mm lenses.

Item #	Mfg. #	Description	Price
PESL67	(35551)	Skylight [1A]	62.50
PEUV67	(35451)	Ultraviolet	59.95
PEY67	(35452)	Yellow-2	66.95
PEO67	(35453)	Orange-2	62.50
PER67	(35454)	Red-2	62.50

#### 82 ø Bayonet Filters

With front threads.

Item #	Mfg. #	Description	Price
PESL8267	(37556)	Skylight	108.95
PEUV8267	(37546)	UV (ultraviolet)	108.95
PEY8267	(37547)	Yellow -2	108.95
PEO8267	(37548)	Orange -2	108.95
PER8267	(37549)	Red -2	108.95
PEB1A8267	(37557)	Cloudy 81A	108.95

#### 112 ø Threaded Filters

For 800mm ED lens.

Item #	Mfg. #	Description	Price
PEPF128	(35622)	Protective Front Clear	372.95



Pentax 67 shown with lens and Metal Lens Hood

### Gelatin Filter Holders

**82mm Gelatin Filter Holder** (37592)  
Accepts 75mm square filters.  
**Item # PEFH8267.....69.95**

**67mm Gelatin Filter Holder with Frame** (35240)  
Accepts 75mm square filters.  
**Item # PEFH67Q.....64.50**

**77mm Gelatin Filter Holder with Frame** (35244)  
Accepts 75mm square filters.  
**Item # PEFH77.....89.50**

**Spare Frame for Gelatin Filter Holder** (35246)  
Accepts 75mm square filters.  
**Item # PEFHF.....9.95**

### Rapid Focus Lever

Assist easy adjustment of the lens focusing ring with the left-hand fingers while the camera grip is being gripped with the same hand. Type "A" is for 90mm, 105mm, 135mm, and 150mm lenses, while type "B" is for 35mm, 45mm, 75mm, 75mm shift and 165mm regular lenses.

**Quick Focus Ring A** (37980)  
**Item # PEQFRA67.....27.95**

**Quick Focus Ring B** (37982)  
**Item # PEQFRB67.....27.95**

Quick Focus Ring A (37980)



### Lens Caps

**Rear Lens Cap Inner Bayonet** (37800) (Replacement.)  
**Item # PELCRI67.....14.95**

**67mmø Front Lens Cap** (31653) (Replacement.)  
**Item # PELC67AF.....12.50**

**Rear Lens Cap Outer Bayonet** (37801) (Replacement.)  
**Item # PELCRO67.....14.95**

**77mmø Front Lens Cap** (31702) (Replacement.)  
**Item # PELC77.....12.50**

**82mmø Front Lens Cap** (31820) (Replacement.)  
**Item # PELC82.....13.95**

**100mmø Front Lens Cap** (37814) Slip on, 35mm lens. (Replacement.)  
**Item # PELC10067.....14.95**

### Miscellaneous Lens Accessories

**Adapter 645** for 67 Lenses (38454)  
Allows Pentax 67 lenses to be used on the Pentax 645 body.  
**Item # PEA64567.....129.95**

**Adapter B 67** (37954)  
Allows use of 67 lenses on 35mm K, KA, KF mount cameras.  
**Item # PEAB67.....131.95**





## VIEWFINDER ACCESSORIES

### Right Angle Finder (37420)

Attaches to the eyepiece of the standard or TTL pentaprism finders for low-angle photography. The image is both laterally correct and unreversed.

The entire focusing screen, as well as the exposure meter indicator needle of the TTL Pentaprism finder, is visible. The adjustable eyepiece accepts the accessory eyecup.  
**Item # PEFRA67 .....259.95**

### Eyecup (37410)

For Pentaprism or right angle finder.  
**Item # PEEC67 .....12.50**



### 2x Magnifier (37421)

With case. Magnifies the central area of the focusing screen by 2x for critical focusing. The eyepiece of the magnifier has a built-in diopter adjustment for optimum viewing comfort. It is hinged at the top, allowing it to be raised out of the way for a final check of the overall composition.  
**Item # PEM67 .....89.95**

### TTL Shutter Dial Adapter Ring (37992)

For TTL Pentaprism.  
**Item # PEARTTSLSD67 ....23.95**

### Prism Cover (37433)

For bottom of viewfinder. (Replacement.)  
**Item # PEPC67 .....14.95**

## Diopters

### -5 Diopter (37411)

**Item # PEDM567 .....16.95**

### -4 Diopter (37412)

**Item # PEDM467 .....16.95**

### -3 Diopter (37413)

**Item # PEDM367 .....16.95**

### -2 Diopter (37414)

**Item # PEDM267 .....16.95**

### -1 Diopter (37415)

**Item # PEDM167 .....16.95**

### +1 Diopter (37416)

**Item # PEDP167 .....16.95**

### +2 Diopter (37417)

**Item # PEDP267 .....16.95**



### Great For Architectural Subjects!

The Pentax 67, when used with the 75mm f/4.5 Shift lens, will allow the photographer to correct or emphasize converging lines in the image. With a maximum shift of 20mm in all directions, this is an indispensable tool in architectural photography.



## FLASH AND ACCESSORIES

The combination of Pentax's AF400T Dedicated Flash, 67-System Bracket and 4P Sync Cord is capable of producing professional results shot after shot. When used in the Auto Flash mode, the AF400T measures the amount of light reflected off the subject and controls the amount of discharge to ensure a perfect exposure – all automatically.

### AF 400T with Clamp (30390)

No bracket or battery holder.  
**Item # PEAFA400T .....356.95**

### AF400T 67 Bracket (37973)

Attaches AF 400T flash to camera body, which in turn allows flash handle to be used as a camera grip.  
**Item # PEBAF400T67 .....52.95**



### 4P Sync Cord C (37343)

3 ft. (1m). For AF-400T or hot shoe grip for PC Terminal/Non-TTL.  
**Item # PESCC4P .....33.50**

For power source or more accessories, see Pentax 645 Flash and Accessories.



## CASES

### Soft Carrying Case (37770)

A compact case which will hold the Pentax 67, its standard lens and some accessories such as filters, cable releases, and film. Designed to offer adequate protection for the camera, which easily slides in and out of the case.  
**Item # PEC67 .....84.95**

### Metal Trunk Case Pro II (37776)

A professional compartment type case designed exclusively for the Pentax 6 x 7. This strong aluminum case will hold one camera body, 3 to 4 lenses and accessories. Bayonet mounts are provided in the case for securing and rapid attachment of lenses. 17 1/4 x 10 1/4 x 11 1/4".  
**Item # PECM67 .....319.95**

### Soft Lens Case S90-100 (37725)

For 45, 90, 105mm lens and 1.4x tele-converter.  
**Item # PELCS90100 .....69.95**

### Soft Lens Case S90-140 (37726)

For 55, 75, 165, 165 L.S., 135 macro lenses and 2x tele-converter.  
**Item # PELCS90140 .....69.95**

### Soft Lens Case S110-160 (37729)

For 200mm lens.  
**Item # PELCS110160 .....88.50**



Metal Trunk Case Pro II (37776)

### Soft Lens Case S110-120 (37728)

For 300mm lens.  
**Item # PELCS110120 .....88.50**

### Soft Lens Case S120-150 (37727)

For 35mm and 75mm shift lenses.  
**Item # PELCS120150 .....88.50**

### Soft Lens Case (37724)

For 120mm lens.  
**Item # PELC12067 .....73.95**

### Hard Lens Case HI-140 (37718)

For 55mm lens.  
**Item # PELCHI140 .....79.95**

### Hard Case (37760)

For Pentaprism finder.  
**Item # PECPF67 .....9.95**

### Hard Case (37764)

For TTL finder.  
**Item # PECTTLPF67 .....24.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# ROLLEI

## 6003 PRO 6x6 SYSTEM

Rollei 6003  
shown with  
80mm f/2.8  
Planar lens,  
waist-level  
finder and  
insert



MEDIUM FORMAT

96

*The Rolleiflex 6003 Pro camera offers the latest technology making it ideal for digital photography and electronic image processing. Three TTL AE functions and metered manual mode, combined with center-weighted multizone and spot metering provide supreme ease of handling and cater to every photographic desire. The exposure memory function, exposure compensation and automatic bracketing guarantee superlative optical performance, even in extreme lighting conditions. The 6003 Pro camera is the tool to realize your full creative potential.*

### FEATURES

- **TTL/OTF auto-matic dedicated flash control system**
- **Flash synchronization at all shutter speeds up to 1/1000 sec.**
- **Motorized film transport up to 2 F.P.S.**
- **Part of a comprehensive 6 x 6cm system**

6003 Professional Black Body (011616)  
With 120 film insert, battery, charger, strap, body cap, and microprism/split with grid focusing screen.  
**Item # RO6003P .....2,450.00**

6003 Professional Black Kit (065709)  
6003 Professional Black Body, 120 film insert, waist level finder, 80/2.8 Planar lens with lens caps, battery, charger, strap, body cap, microprism/split with grid focusing screen.  
**Item # RO6003PK.....3,199.00**

### 6003 PRO SPECIFICATIONS

#### TYPE:

6 x 6cm format (2 1/4 x 2 1/4") lens shutter single lens reflex camera system, with interchangeable lens, film inserts (convertible to film back), finder and focusing screen

#### LENS MOUNT:

Rolleiflex 6000 series bayonet mount

#### FILM ADVANCE:

Built-in motor drive advance

#### VIEWFINDER:

Interchangeable viewfinder system, with full digital LED finder display on body

#### FOCUSING SCREEN:

Interchangeable type; standard is microprism/split image with grid lines (09706)

#### MULTIPLE EXPOSURE:

Possible with multiple exposure dial

#### LENS DIAPHRAGM:

Fully automatic instant reopening diaphragm action; stops down to working aperture immediately prior to exposure

#### SHUTTER:

Electronically controlled leaf shutter, 1/1000 to 30 sec. + B; with direct drive control by two linear motors built into each lens

#### METER:

Center-weighted multi-zone and spot readings

#### EXPOSURE CONTROL MODES:

Shutter speed priority AE; Aperture priority AE; Plus AE lock; Programmed AE based on fast-speed priority; Meter-assisted manual in 1/3 steps; Automatic bracketing runs a sequence of three exposures

#### FILM INSERT:

Daylight loading, detachable. Can be interchanged with all Rollei 6008 film backs including the Polaroid film back and digital scan pack for digital imaging

#### FILM:

120 roll film (12 exp. with 6x6 insert, 16 exp. with 6x4.5 film back); 220 roll film (24 exp. with 6x6 insert, 32 exp. with 6x4.5 film back); 70mm 6 x 6 (70 exposures) with film back; Polaroid Pack film with film back

#### FLASH SYNCHRONIZATION:

At all shutter speeds up to 1/1000 sec.

#### FLASH:

PC connection, plus hot shoe with dedicated contacts for SCA 300 system flashes for TTL flash metering

#### EXPOSURE CORRECTION:

Can be modified by overriding the film speed input

#### MEASURING RANGE:

EV 3 to EV 19 with ISO 100 film, f/2.8 lens

#### BATTERY:

Rechargeable Nicad battery, up to 500 exposures per charge; Rapid charger (110-240V, 50/60 Hz), automatically switches to trickle charging. 12V lead for optional car battery cord

#### DIMENSIONS:

4.6 x 5.2 x 4" (117 x 132 x 102mm) W.H.D.

#### WEIGHT:

39 oz. (1106g) with insert

*Subject to change without notice*

**We Ship Worldwide**

# ROLLEI

## 6008 INTEGRAL 6x6 SYSTEM

*As the most sophisticated 2 1/4 x 2 1/4" SLR camera on the market, the 6008 combines the advantages of medium format photography with fully professional features and unique handling convenience. It includes all the features of the 6003 Professional plus interchangeable backs and an action grip. It also has the added benefits of multi-spot metering and a mirror lock up. The 6008 aids new applications extending to electronic image processing in digital photography and repro work.*

*Rollei 6008 Integral shown with 80mm f/2.8 Planar HFT PQ Lens, Waist-Level finder and back*



MEDIUM FORMAT

97

### FEATURES

- **TTL/OTF automatic dedicated flash control system with auto-fill flash mode**
  - **Flash synchronization at all shutter speeds up to 1/1000 sec.**
  - **Interchangeable film backs**
  - **23 first class Zeiss and Schneider optics**
  - **Part of an extremely comprehensive medium format system**
  - **Motorized film transport up to 2.5 F.P.S.**
  - **Multi-spot mode**
- 6008 SRC Integral Camera Body**  
With 120 film insert, battery, charger, High D split-image focusing screen, 120 film back, action grip, waist level finder, 80mm PQ lens, strap and caps.  
**Item # RO6008IK....3,995.00**
- 6008 SRC Integral Camera Body only (067040)**  
With waist-level finder and High D split-image focusing screen.  
**Item # RO6008I...1,999.00**

## 6008 INTEGRAL SPECIFICATIONS

### TYPE:

6 x 6cm format (2 1/4 x 2 1/4") lens shutter single lens reflex camera system, with interchangeable lens, film back, finder and focusing screen

### LENS MOUNT:

Rolleiflex 6000 series bayonet mount

### FILM ADVANCE:

Built-in motor drive advance

### VIEWFINDER:

Interchangeable viewfinder system, with full digital LED finder display on body plus CMC control

### FOCUSING SCREEN:

Interchangeable type; Standard is micropism/split image with grid lines (097069)

### MIRROR LOCK UP:

Vibrationless with mirror lock-up button

### MULTIPLE EXPOSURE:

With multiple exposure dial

### LENS DIAPHRAGM:

Fully automatic instant reopening diaphragm action

### SHUTTER:

Electronically controlled leaf shutter, 1/1000 to 30 sec. +B and T. (\*Extends to 100 min.) With direct drive control by two linear motors built into each lens

### METER:

Center-weighted multi-zone and spot readings; (\*Center spot can be turned off.) Multi-spot readings of up to five image points

### EXPOSURE CONTROL MODES:

Shutter speed priority AE; Aperture priority AE; Plus AE lock; Programmed AE based on fast-speed priority; Meter-assisted manual in 1/2 steps. (\*Auto bracketing.)

### FILM BACK:

Daylight loading; interchangeable type exclusive film backs for 120, 220 and 70mm roll films, digital backs, and Polaroid backs

### FILM:

120 roll film (12 exposures); 120 roll film 6 x 4.5 (16 exposures); 220 roll film 6 x 6 (24 exposures); 220 roll film 6 x 4.5 (32 exposures); 70mm 6 x 6 (70 exposures); Polaroid Pack film

### FLASH SYNCHRONIZATION:

At all shutter speeds up to 1/1000 sec. (\*Front or rear sync and TTL-OTF)

### FLASH:

PC connection, plus hot shoe with dedicated contacts for SCA 300 system flashes for TTL flash metering

### EXPOSURE CORRECTION:

Can be modified by overriding the film speed input

### MEASURING RANGE:

EV 0 to EV 19 with ISO film, f/2.8 lens

### BATTERY:

Rechargeable Nicad battery, up to 500 exposure per charge. Rapid charger (110-240V, 50/60 Hz), Automatically switches to trickle and pulse charging. 12v lead for optional car battery cord

### DIMENSIONS:

5.6 x 5.5 x 4.9" (143 x 139 x 124mm) W.H.D.

### WEIGHT:

51 oz. (1450g)

*Subject to change without notice*

\*Adjustable with master control unit. (See Body Accessories)



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



# ROLLEI

## 6000 SERIES



### ROLLEI PQ LENSES

Designed for optimum performance, Rollei lenses are quality controlled, have improved ergonomics and sport a modern design. All 6000 series lenses are manufactured either by Carl Zeiss or Schneider Kreuznach with 1/3 stop. Pq lenses will work up to 1/500 shutter speed and PQS lenses will work up to 1/1000 shutter speed (on the 6003 and 6008).

#### Wide Angle

30mm f3.5

Distagon HFT PQ (064866)

Extra-wide angle lens with fisheye characteristics, very large aperture and exceptional image clarity. Full utilization of the 2 1/4" format, good coverage of the image area, even at full aperture.

Item # RO3046.....4,495.00

40mm f4 Distagon HFT PQ (086814)

Superbly corrected retrofocus-type super wide-angle lens. Floating elements optimize the correction in close-up range.

Item # RO4046.....4,195.00

40mm f3.5

Super Angulon PQ (059439)

Floating elements provide outstanding sharpness down to close-up shots at 0.4m.

Item # RO40356.....3,995.00

50mm f4

Distagon HFT PQ (086704)

Item # RO5046.....1,999.00

30mm  
f3.5

Distagon  
HFT PQ  
(064866)



50mm f2.8 Super

Angulon HFT PQS (063346)

A fast f/2.8 aperture guarantees accurate focusing when shooting an exceptionally bright image. Specially suited for interior shots. Floating elements ensure good performance in the closeup range.

Item # RO50286.....3,399.00

60mm f3.5

Distagon HFT PQ (086725)

Item # RO60356.....2,599.00



#### Tilt and Shift

55mm f4.5 PC Super Angulon HFT PQ (086900)

Special wide-angle lens with extra-large image circle of 104mm and sophisticated lens mount, incorporating vertical/horizontal shift for image perspective control, as well as up and down tilt of optical axis. High image quality down to 0.5m. All automatic functions of the iris and shutter are retained. Ideal for still life photography.

Item # RO55456.....7,199.00

#### Standard

80mm f2.8 Planar HFT PQ (086673)

Item # RO80286.....1,399.00

80mm f2.8 Planar HFT PQS (064002)

Item # RO80286Q.....1,499.00

80mm f2 Xenotar HFT PQ (087612)

Item # RO8026.....3,199.00

#### Macro

90mm f4 APO Symmar

Macro HFT PQS (063348)

Apochromatic correction. Optimized for closeups. Long helical mount provides a continuous focusing range from infinity to a 1:2 scale.

Item # RO9046.....2,999.00

120mm f4 Macro-Planar

HFT PQS (066300)

High-performance lens for closeups, and copying. Optimized for a 1:8 scale but equally usable at scales from 1:00 to about 2:1 (with bellows).

Item # RO1204M6.....2,999.00

150mm f4.6 APO Symmar Macro Bellows (098531)

With apochromatic correction. For use on macro bellows, it needs a basic extension of 67mm to set at infinity. With the 67mm extension tube or the bellows unit it provides a continuous focusing range to beyond life-size reproduction. The built-in helical mount of 9mm focusing is primarily for fine focus adjustment.

Item # RO150466.....2,699.00

### SPECIFICATIONS OF ZEISS 6000 SERIES LENSES

Lens	30mm Distagon	40mm Distagon	50mm Distagon	60mm Distagon	80mm Planar	120mm Macro Planar	150mm Sonnar	250mm Sonnar	350mm Tele Tessar	500mm Tele Tessar	1000mm Tele Tessar
Aperture Range f.	3.5-22	4-32	4-32	3.5-22	2.8-22	4-32	4-32	5.6-4.5	5.6-4.5	8-64	8-64
Angle of View	180°	88°	75°	67°	52°	36°	29°	18°	13°	9°	4.5°
Lens Construction	8E, 7G	11E, 10G	7E, 7G	7E, 7G	7E, 5G	6E, 4G	5E, 3G	4E, 3G	4E, 4G	5E, 3G	4E, 4G
Minimum Focusing	12" (0.3m)	20" (0.5m)	20" (0.5m)	2" (0.6m)	3" (0.9m)	2.6" (0.8m)	4.6" (1.4m)	8.2" (2.5m)	16.4" (5m)	28" (8.5m)	69" (21m)
Weight	54.6 oz. (1550g)	36.7 oz. (1040g)	29.6 oz. (840g)	27.2 oz. (770g)	20.8 oz. (590g)	33.9 oz. (960g)	31.4 oz. (890g)	40.6 oz. (1150g)	58.2 oz. (1650g)	70.4 oz. (1995g)	19.3 lbs. (8740g)
Max. Length	4.8" (122mm)	3.3" (83mm)	3.8" (96mm)	3.3" (83mm)	2.5" (63mm)	4" (102mm)	4" (102mm)	6.7" (170mm)	8.9" (227mm)	12.4" (316mm)	31.1" (790mm)
Equivalent Length in 35mm Format	16mm	26mm	33mm	39mm	52mm	79mm	100mm	160mm	229mm	327mm	625mm
Filter Size	Built in	95mm with optional adapter	BAY VI	BAY VI	BAY VI	BAY VI	BAY VI	BAY VI	86mm	86mm	—

Subject to change without notice







## ROLLEI PQ LENSES, *continued*

### Telephoto

150mm f4 Sonnar HFT PQ (086756)  
**Item # RO15046.....2,199.00**

150mm f4 Sonnar HFT PQS (059602)  
**Item # RO15046Q.....2,399.00**

Schneider 180mm f2.8  
Tele-Xenar HFT PQ (087606)  
**Item # RO180286008..3,399.00**

Zeiss 250mm f5.6  
Sonnar HFT PQ (086780)  
**Item # RO250566.....2,599.00**

Zeiss 250mm f5.6  
Sonnar HFT PQS (062624)  
**Item # RO250566008..2,799.00**

Schneider 300mm f4  
APO Tele-Xenar PQ (059426)  
**Item # RO30046008....4,199.00**

Zeiss 350mm f5.6  
Tele-Tessar HFT PQ (086838)  
With lens hood.  
**Item # RO350566.....3,799.00**

Zeiss 500mm f8  
Tele-Tessar HFT PQ (086854)  
With built-in lens hood.  
**Item # RO50086.....4,099.00**

1000mm f8  
Tele-Tessar HFT PQ (063045)  
With lens hood.  
**Item # RO100086.....20,999.00**



### Macro Zoom

Schneider 75-150mm f4.5  
Macro Varigon HFT PQ (086926)  
Top-class zoom lens comparable to an excellent lens of fixed focal length. Two touch zoom and focusing ring, and constant focus at all focal length settings. Macro range from 6 ft down to 10 in.  
**Item # RO75150456....4,799.00**

Schneider 140-280mm f5.6  
Macro Varigon HFT PQ (086913)  
Two touch zoom and focusing ring with constant focus at all focal lengths. Macro range from 8¼ ft. down to 30 in. Image quality matches fixed focal lengths. Can be used in place of several telephoto lenses.  
**Item # RO140280566..5,199.00**

### Tele-Converters

1.4x Longar (059670)  
For standard and telephoto lenses. Aperture values change only by one stop and extends focal length by 1.4x. (Not to be used with 80/2.8 Planar or the 150/4.6 Symmar macro)  
**Item # RO1.4X6 .....1,049.00**

2x HFT Teleconverter (098253)  
For standard, tele and zoom lenses, it doubles the focal length of the prime lens used. The elaborate optical system maintains virtually the full definition of the prime lens.  
**Item # RO2X6 .....999.00**

### SPECIFICATIONS OF SCHNEIDER 6000 SERIES LENSES

Lens	40mm Sup Angulon	50mm Sup Angulon	55mm Sup Angulon	80mm Xenotar	90mm APO-Symmar	150mm APO-Symmar	180mm Tele Xenar	300mm APO Tele Xenar	75-140 Macro Varigon	140-280 Macro Varigon
Aperture Range f.	3.5-22	2.8-22	4.5-32	2-16	4-32	4.6-32	2.8-22	4-32	4.5-32	5.6-45
Angle of View	88°	74°	70°	52°	47°	29°	25°	15°	55°-29°	32°-16°
Lens Construction	8E, 8G	9E, 8G	10E, 8G	7E, 5G	6E, 4G	6E, 4G	6E, 6G	6E, 6G	15E, 13G	17E, 14G
Minimum Focusing	19" (0.4m)	24" (0.6m)	20" (0.5m)	2.6" (0.8m)	19" (0.4m)	1:1.1 with bellows	6" (1.8m)	10.5" (3.2m)	6" (1.8m) plus macro	8.2" (2.5m) plus macro
Weight	26.4 oz. (750g)	56.4 oz. (1600g)	58.2 oz. (1650g)	58.2 oz. (960g)	30.3 oz. (860g)	24 oz. (706g)	53.7 oz. (1525g)	70.5 oz. (2000g)	63.5 oz. (1800g)	61.5 oz. (1750g)
Max. Length	2.8" (72mm)	4.6" (115mm)	6.1" (155mm)	3.9" (100mm)	4.3" (110mm)	3.2" (82mm)	5.9" (150mm)	10.3" (262mm)	7.1" (180mm)	9.4" (238mm)
Equivalent Length in 35mm Format	26mm	33mm	35mm	52mm	55mm	100mm	120mm	200mm	54-100mm	100-152mm
Filter Size	77mm	95mm	BAY VIII	BAY VI	95mm	BAY VI	95mm or outer BAY 104	95mm	95mm	95mm

*Subject to change without notice*



## FILM BACKS

The 6000 series lets you set the film speed on the film backs in ½ increments from ISO 25 to 6400. As you change backs, the camera's AE system automatically senses the right speed. (Earlier 6000 series backs will operate at a default value of ISO 100. Exposure can then be corrected for faster or slower films.) With Rollei's roller blind system, you can switch backs in seconds. This saves time and the bother of pulling out and pushing in conventional drawslides. Sensible safety interlocks prevent exposures with the dark slide closed – or removal of the film back with the drawslide open.



120 Film Back 6x6cm (088798)  
12 exposures.  
**Item # ROFB661206Q....649.00**

120 Film Back  
6x4.5cm (088800)  
16 exposures with mask.  
**Item # ROFB6451206...749.00**

220 Film Back 6x6cm (088799)  
12 exposures.  
**Item # ROFB662206.....699.00**

220 Film Back 6x4.5cm (088801)  
32 exposures w/mask.  
**Item # ROFB6452206.....749.00**

220 Data Film Back 6x6cm (089169)  
24 exposures imprints year/month/day, day/hr/min or special sequential numbers on each film frame.

**Item # ROFBD662206.1,099.00**

120/220 Rotating Film Back  
6x4.5cm 4560 (014987)  
16/32 exposures. For 6003 Professional and 6008 Integral.  
**Item # ROFBR6456.....799.00**

Film Back Cover (088967)  
For spare back.  
**Item # ROMC6.....42.95**

*Film Backs continued on next page*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# ROLLEI

## 6000 SERIES

MEDIUM FORMAT

100



### FILM BACKS, *continued*

#### Data 70 Back (089445)

For perforated bulk 70mm film, loaded into 16½ ft (5m) cartridges. Provides 60 exposures. The Data 70 has its own film transport motor powered and controlled via the camera's remote outlet. Vacuumed for optimum film flatness, it also imprints year, month and day; hour and minute or special sequential numbers on each film frame.

**Item # ROFBVD66706 .....3,299.00**



#### Film Insert (098004)

For 120 or 220 film backs. Also for 6003, 6000 and SLX cameras, allowing preloading beforehand for rapid film changing.

**Item # ROIQ.....69.95**

#### Polaroid Film Back (097979)

8 exposures. For instant 2¼ x 2¼" prints on 3¼ x 4¼" Polaroid pack film. Has speed input for the 6000 series AE system.

**Item # ROFBP6.....549.00**

#### Dark Slide (063047)

For Polaroid film back. Replacement.

**Item # RODSPB6.....29.95**

### Digital Film Back



Digital ScanPack  
(062730)

The Digital ScanPack is the link between traditional photography and electronic image processing. Attached in place of an interchangeable film back, the Digital ScanPack turns the 6000 series Rollei camera into a professional quality scanner. The images are recorded by the camera's optics for a scanned area of 41.2 x 35mm and are converted to 5850 x 5000 pixels. Special filters convert the primary colors (red, blue and green) and allow the ScanPack to distinguish between 16.8 million colors. Black-and-white scans utilize the 256 gray gradations needed for true-to-tone scaling. The camera and ScanPack are connected on-line via the Rollei SCSI interface box to an EIP-compatible PC that enables scanned images to be stored. Requiring only seconds for a scan or 3 passes for color imaging, only still subjects can be scanned. All lenses and accessories can be used without modification. In addition, image processing is menu-driven using for example the "Adobe Photoshop" software, which permits changes in gradation, multi-image mixing, color corrections, etc. at the press of a button.

#### Digital ScanPack (062730)

SCSI box, 15" SCSI cable, AC cord, protective cap and manual.

**Item # RODSP.....16,999.00**

#### Cirrus 2.0

Scan Pack Software (062876)  
For Macintosh.

**Item # ROSWC2M .....799.00**

### ScanPack Accessories

#### 4 x 5 Camera Adapter (062953)

Allows use of ScanPack on 4 x 5 cameras.

**Item # ROCA45DSP .....579.95**

#### LSC Bright Matte Focusing

Screen (061396)

With 41.2 x 35mm scan frame. For working with the ScanPack.

**Item # ROFSDSP .....109.95**

#### Parallel Alignment

Mirror Set (062632)

For accurate camera to subject alignment in copying and duplicating. Includes BAY VI adapter with mirror which is placed on subject to indicate direction and amount of misalignment.

**Item # ROMSPADSP ....399.95**

#### SRC Camera Remote Control (062647)

**Item # RORCDSP .....179.95**



### VIEWFINDERS

#### Magnifying Hood (063048)

Rigid hood for downward viewing with adjustable diopter for eyesight correction. A removable 3x loupe (6 x 6) provides color fidelity and high-definition.

**Item # ROMH6 .....449.95**

#### 45° Prism Viewfinder (097814)

With case. Shows upright and right-reading screen image; activates a camera switch to keep the digital aperture/speed indication right-reading, too. The finder rotates and engages in different positions for convenient viewing from awkward viewpoints.

**Item # ROFP456.....859.95**

#### 90° Prism Viewfinder (062903)

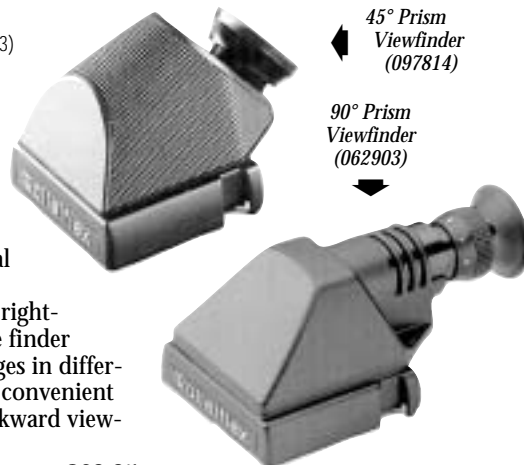
With case. Shows upright and right-reading screen image; activates a camera switch to keep the digital aperture/speed indication right-reading, too. The finder rotates and engages in different positions for convenient viewing from awkward viewpoints.

**Item # ROFP906.....869.95**

#### Video Viewfinder (063984)

90° viewfinder. Can be used as a conventional finder that gives an upright, right reading image. Can be locked in four positions for convenient viewing in unfavorable positions. Includes adjustable diopter for eyesight adjustments. It can also be connected to a video camera. You can then either view the upright image directly in the finder or monitor it on a video monitor. This feature is helpful for larger viewing or when using the Rollei camera through remote. Includes CCD C-mount adapter.

**Item # ROVVF6 .....1,199.95**





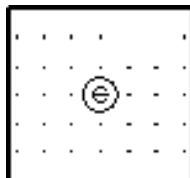
## FOCUSING SCREEN

**High D with Split-Image and 8x10 Crop Marks** (010772)  
Super bright screen with micro structure surface for optimum assessment of depth-of-field and focusing. Split-image wedge for maximum focusing on vertical lines. Standard with the 6008 Integral.  
**Item # ROFSHDSI6.....249.95**

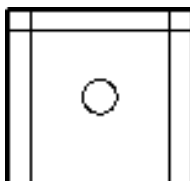
**Microprism Split Image with Grid Lines** (097069)  
Universal matte screen with a split-image wedge and microprism ring. Standard with the 6003, SL66E and 2.8GX.  
**Item # ROFSS6.....99.95**

**Fine Matte** (097054)  
Groundglass screen for critical focusing with focusing magnifiers. For macro-photography.  
**Item # ROFSFGG6.....99.95**

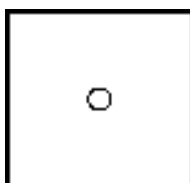
*Microprism Split Image with Grid Lines* (097069)



*Bright Matte* (064911)



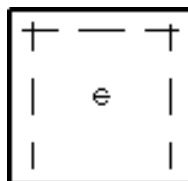
*Bright Matte with Microprism Spot* (097074)



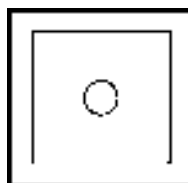
*Fine Matte* (097054)



*High D with Split-Image and 8x10 Crop Marks* (010772)



*LSC Bright Matte Focusing Screen* (061396)



**Bright Matte** (064911)  
Microfine screen for full area focusing and unobstructed composition. Suitable for small aperture lenses and for depth-of-field previewing. Etched lines indicate 6 x 4.5 format.  
**Item # ROFSBM6.....99.95**

**Bright Matte with Microprism Spot** (097074)  
Universal focusing screen for rapid focusing with microprism spot and matte screen area. Permits accurate focusing even in poor light.  
**Item # ROFSBMMP6.....99.95**

**LSC Bright Matte Focusing Screen** (061396)  
With 41.2 x 35mm scan frame. For working with the Digital ScanPack.  
**Item # ROFSDSP .....139.95**



## BODY ACCESSORIES

**Standard Hand Grip** (089722)  
With strap. Ergonomically shaped action grip. Permits convenient one-handed shooting. Locks into four positions for waist-level or eye-level viewing with the hood and prism finders. Adjustable and removable leather hand strap.  
**Item # ROGH6008.....139.95**

**Large Hand Grip** (059901)  
With strap. Same as above for larger hands.  
**Item # ROGHL6008.....109.95**

**Pistol Grip** (097836)  
With electronic release.  
**Item # ROGP6.....219.95**

**Side Mounting Kit** (098230)  
**Item # ROSMK6 .....149.95**

**Metz 45/60 Adapter Kit** (093115)  
**Item # ROMA6.....129.95**

**Tripod Quick Release Adapter** (093140)  
For side mounting kit.  
**Item # ROQR6 .....48.50**

**Spare Nicad Power Pack** (039715)  
With two 1 amp fuses, interchangeable power pack for extra power during long shooting.  
**Item # ROBN6 .....99.95**

**Spare 1 Amp Fuses for Battery**  
**Item # ROF6.....5.95**

**Spare Rapid Charger** (064902)  
Plug in AC 100-240 volts, 50/60 Hz, with automatic rapid-charge limiter. Signals rapid and normal charge operation. Rapid charge takes about 1 hour, normal charging 14 hours. 12 volt input from car battery.  
**Item # ROC6Z.....129.95**

**Spare AC Cord for Charger** (091140)  
**Item # ROACC6.....18.95**

**External Battery Connector** (098200)  
Keeps battery warm in pocket in extreme cold weather. Camera is powered with the external connector.  
**Item # ROBCE6 .....129.95**

*Spare NiCad Power Pack* (039715)



**Car Battery Connector** (091187)  
To run the rapid charger off a 12 volt car battery; plugs into the car's cigarette lighter. Charging time 12 hours.  
**Item # ROCCC6.....59.95**

**Tripod Quick Coupler** (096725)  
For rapid mounting of camera on tripod. The quick coupler can remain permanently on the tripod.  
**Item # ROAQRSL .....129.95**

**Electric Multi-Exposure Remote Release** (098875)  
Plugs into the camera's universal remote outlet; can trigger single or multiple exposures and pre-release the mirror.  
**Item # ROMER6 .....149.95**

**Remote Control 2½ Ft.** (098874)  
Control unit for remote releasing and mirror pre-release.  
**Item # RORC2.66.....59.95**

**Remote Control 16½ Ft.** (097983)  
**Item # RORC16.56.....59.95**

**Remote Control 33 Ft.** (097984)  
**Item # RORC336.....74.95**

*Master Control Unit* (026112)



**Master Control Unit** (026112)  
For 6008 Integral. Makes the Integral more versatile with expanded viewfinder control, automatic shutter control, TTL flash control, and shutter control. Custom functions such as average metering with or without center-weighting, programmed AE with speeds 1/500 to 15 sec. Auto bracketing with intervals from 1/3 to 9/3 EV, self timer up to 99 sec., and viewfinder display brightness are the most advanced features in a medium format camera. The Master Control Unit is also a full multiple exposure with 1-10 consecutive exposures plus a full remote control unit.  
**Item # ROMCU6008I....999.00**

Body Accessories continued on next page



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



# ROLLEI

## 6000 SERIES

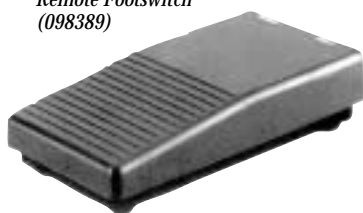


### BODY ACCESSORIES, con.

**Intervalometer Timer** (098130)  
With 5' Cable. For sequential photography. It controls exposure intervals in the range from one second to 59 hours and 59 minutes, and can initiate between one and 999 exposures. The quartz-controlled intervals are maintained with extreme precision; with a maximum deviation of  $\frac{1}{200,000}$  seconds; meeting the most exacting scientific requirements.  
**Item # RO16 .....1,099.95**

**Remote Footswitch** (098389)  
Electric remote release for exposing when both hands are occupied, e.g. with the camera mounted on a microscope or copying stand. Large footswitch is connected by a 8 ft. (2.5m) cord.  
**Item # ROFS6 .....149.95**

*Remote Footswitch  
(098389)*



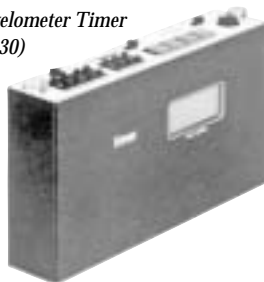
**Front Body Cap** (088058)  
**Item # ROBC6 .....24.95**

**Rear Body Cap** (087927)  
**Item # ROBCR6 .....37.95**

**Neck Strap** (098272)  
**Item # ROSN6008 .....49.95**

**Neck Strap** (098017)  
For discontinued 6006, 6002 and SLX cameras.  
**Item # ROSNW .....49.95**

*Intervalometer Timer  
(098130)*



### LENS ACCESSORIES

#### Auto Extension Tubes

Enjoy close up photography with automatic functions. Can be used singly or in any combination, also with bellows and retro adapter.



*Auto  
Extension Tubes*

**9mm Extension Tube** (097844)  
**Item # ROET96 .....359.95**

**17mm Extension Tube** (097868)  
**Item # ROET176 .....359.95**

**34mm Extension Tube** (097888)  
**Item # ROET346 .....389.95**

**67mm Extension Tube** (062069)  
For 150mm APO Macro Symmar.  
**Item # ROET676 .....399.95**

**Variable Extension Tube**  
**22-68mm** (025857)  
**Item # ROETV6 .....1,199.00**

#### Auto Reverse Lens Mounting Ring

**Automatic Reverse Lens Mounting Ring** (098410)  
Extends the cameras close up range. It allows reverse mounting for better closeup performance.  
**Item # RORR6 .....1,099.00**



*Automatic  
Reverse Lens  
Mounting Ring  
(098410)*

#### Automatic Bellows

**Automatic Extension Bellows** (098065)  
Variable magnification changes are possible by adjusting bellows. With full automatic functions rack-and-pinion drive and clamping screw, extension scale, and  $\frac{1}{4}$  in. tripod bushing. Extension range from 2.6 to 8" (67 to 204mm).  
**Item # ROBA6 .....1,099.00**

**6 x 6 Slide Copying Stage** (097120)  
Used with automatic extension bellows. Permits direct copying of 6 x 6cm slides. Requires fine focusing drive, accessory bellows and Bay VI lens coupling ring.  
**Item # ROSCS66SL .....249.95**

**35mm Slide Copying Stage** (097122)  
Used with automatic Extension Bellows. Permits direct copying of 35mm slides. Requires fine focusing drive, accessory bellows and Bay VI lens coupling ring.  
**Item # ROSCS35SL .....149.95**

**Fine Focusing Drive** (097116)  
For Slide Copying Stage.  
**Item # ROFFDSL .....329.95**

**Accessory Bellows** (097107)  
For Slide Copying Stage.  
**Item # ROBASL .....399.95**

**Bay VI Lens Coupling Ring** (097112)  
For Slide Copying Stage.  
**Item # ROLCRB6SL .....129.95**

**Focusing Rack** (097104)  
Used on a tripod, it allows fine focusing. Ideal for macro photography. The rack has 6.3" (16cm) free movement. Can be used for Slide Copying Stage.  
**Item # ROFRSL .....399.95**

#### Professional Lens Hoods



*Bellows Lens  
Hood  
(098080)*

**Bellows Lens Hood** (098080)  
For 50-250mm lenses. Screens off unwanted light. Extension scales marked for focal lengths of 80, 120-250mm. Includes masks for 120 & 250mm lenses. A rear slot will accept 75mm gel filters.  
**Item # ROPLHB6 .....399.95**

**Spare Masks for Bellows Lens Hood** (098071)  
**Item # ROMPLH .....49.95**

#### Lens Hoods

**Lens Hood Bay VI** (096752)  
For 50 and 60mm.  
**Item # ROLH50B6 .....119.95**

**Lens Hood Bay VI** (096741)  
For 80-250mm and 1000mm lenses.  
**Item # ROLH80250B6 .....119.95**

**Lens Hood Bay VIII** (098242)  
For 55mm lens.  
**Item # ROLH55PCSB8 .....199.95**



*Lens Hood Bay 104  
(098839)*

**Lens Hood Bay 104** (098839)  
For 180mm lens.  
**Item # ROLH180B104 .....179.95**





## Filters

Rollei filters are multicoated and available for both black and white or color photography

## Bay VI Filters

For Zeiss 50-250mm, Schneider 60, 80 and 150mm.

**R1.5 Skylight** (096803)  
A protective filter. Also corrects blue casts and reduces UV transmission.  
**Item # ROSLB6...169.95**

**UV** (096820)  
UV absorbing filter. Improves color and eliminates definition losses due to UV radiation.  
**Item # ROUVB6...169.95**

**Medium Yellow** (096796)  
-1.5 EV.  
**Item # ROMYB6...169.95**

**Green** (096808)  
-1.5 EV.  
**Item # ROGRB6...169.95**

**Orange** (096800)  
-1.5 to -3 EV.  
**Item # ROOB6...169.95**

**Light Red** (096812)  
-2 to -3 EV.  
**Item # ROLRB6...169.95**

**Infrared** (096817)  
For infrared photography.  
**Item # ROIB6...239.50**

**Circular Polarizer** (096841)  
Reduces reflection from non-metallic surfaces such as water, glass or plastics. Also boosts contrast, cuts haze and absorbs UV rays.  
**Item # ROCPB6...329.95**

**Zeiss Softar I** (096900)  
Creates dreamy, romantic effects. Ideal for landscapes and still life subjects. It also suppresses skin blemishes in portraits.  
**Item # ROS1B6...199.95**

**Zeiss Softar II** (096904)  
Same as Softar I but a bit stronger in action.  
**Item # ROS2B6...199.95**

## Miscellaneous Filters



Bay VI Filters

**95mm R1.5 Skylight** (066739)  
**Item # ROSL95...199.95**

**95mm UV** (066741)  
**Item # ROUV95...199.95**

**95mm Circular Polarizer** (066742)  
**Item # ROCP95...379.95**

**95mm Medium Yellow** (096878)  
**Item # ROMY95...402.95**

**Bay VI Gel Filter Holder** (096950)  
For 3 x 3" (75 x 75mm) gels.  
**Item # ROFHB633...149.95**

**Bay VIII Gel Filter Holder** (098233)  
For 4 x 4" (100 x 100mm) gels.  
**Item # ROFHB844...189.95**



## CASES

**Aluminum Case** (098519)  
**Item # ROCA6008...499.95**



Leather Case (098269)

**Leather Case** (098269)  
Black color, for camera and accessories.  
**Item # ROCLSL...269.95**

## Rapid Focus Lever

**Rapid Focusing Lever** (098029)  
For convenient lens focusing; clamps to the focusing ring of 40-250mm lenses using Bay VI filters (not for zoom lenses).  
**Item # ROQFH6...74.50**

## Lens Caps

**Rear Lens Cap** (087005)  
**Item # ROLCR6...24.95**

**Bay VI Front Lens Cap** (082501)  
**Item # ROLCB6...19.95**

**Bay VIII Front Lens Cap** (087007)  
**Item # ROLCB8...23.95**

**Front Lens Cap** for 40mm (098843)  
**Item # ROLC40...25.95**



## FLASH ACCESSORIES

**SCA 356 Dedicated Flash Adapter** (097661)



**SCA 356 Dedicated Flash Adapter** (097661)  
Interface module for dedicated auto flash operation, including TTL flash duration control. Works with all SCA 300 and compatible flash systems. The flash adapter fits in the camera's hot shoe and takes the flash unit either directly or via a cable link. The adapter also provides feedback to the camera.  
**Item # ROFASCA356...129.95**

**Macroflash** (097714)  
Working in conjunction with the dedicated flash adapter, the Macroflash kit permits accurate close-up flash exposures with TTL flash metering. This simultaneously controls two Metz flash units of metric guide No. 32 (with ISO 100 film), with swing and tilt reflectors.  
**Item # ROMF2...1,199.95**

## Focusing Shutter

**Focusing Shutter Assembly** (059926)  
With its own 11mm screw extension so Schneider M Componon 28mm or 50mm can be used for photo-macrography. 39mm and 41mm mount enlarging lenses can be used with the aid of adapter ring supplied with the shutter assembly.  
**Item # ROFSA...999.95**

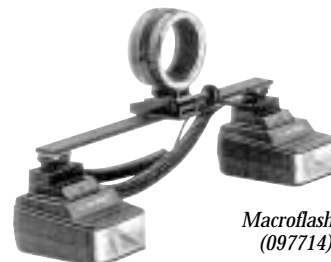
**Schneider Componon M 28mm/4** (094361)  
For focusing shutter assembly.  
**Item # RO284M6...499.95**

**Schneider Componon M 50mm/4** (094363)  
For focusing shutter assembly.  
**Item # RO504M6...499.95**

**Flash Meter** (097680)  
A sophisticated precision meter for exact TTL flash exposure readings with studio or other flash units. The flash meter fits in the camera's hot shoe. The internal camera sensor measures the flash light reflected from the film surface (or from a special metering back plate) and feeds the result to the flash meter. A highly sensitive meter display then shows whether the exposure was correct, or indicates in EV steps the required aperture or flash power adjustment.  
**Item # ROFM1...499.95**

**Average Metering Back Plate** (097698)  
For flash meter.  
**Item # ROABFM16...59.95**

**Spot Metering Back Plate** (097700)  
For flash meter.  
**Item # ROSBFM16...59.95**



Macroflash (097714)

# ROLLEI

## SL66SE 6X6 SYSTEM

MEDIUM FORMAT

104

*A state-of-the-art medium format camera, the Rolleiflex SL66E is a strictly mechanical SLR camera. With built-in bellows for close-ups without accessories, it can also be tilted  $\pm 8^\circ$  to extend depth-of-field. A wide variety of interchangeable film backs and world-class lenses open up almost unlimited possibilities in every branch of classical photography. TTL spot or integral metering with TTL automatic flash control at the film surface makes the camera the choice for professionals as well as serious amateurs.*



Rollei SL66SE shown with 80mm f/2.8 Planar HFT lens, waist-level finder

### FEATURES

- Mechanical 6 x 6 camera with built-in bellows for close-up photography
- Lens mounting with  $\pm 8^\circ$  tilt
- TTL exposure metering switchable from spot to integral metering
- Direct use of reverse mount lenses without adapter for close-up photography
- TTL auto-matic flash control with flash metering at the film surface

Rolleiflex SL66SE Camera Exclusive Edition (063782)  
SL66SE body, 120 film back 6 x 6, 80mm f2.8 Planar HFT, waist-level finder, microprism split image grid focusing screen and neck strap.  
Item #  
ROSL66SEEE80 .....6,999.00

### SL66SE SPECIFICATIONS

#### TYPE:

6 x 6cm format (2 1/4 x 2 1/4")  
SLR camera with rack and pinion focusing, interchangeable lens, film back, finder and focusing screen

#### LENS MOUNT:

Double-bayonet lens mounting for lens and accessories or reverse mounting

#### FILM ADVANCE:

Fast action crank for cocking the shutter and winding the film

#### VIEWFINDER:

Interchangeable viewfinder system; with LED indicators on camera body visible in the viewfinder, showing red for over or under exposures, yellow when exposure deviates by half a stop, or green for the correct exposure

#### FOCUSING SCREEN:

Interchangeable type; standard is microprism/split image with grid lines (097069)

#### MIRROR LOCK UP:

Possible with switch on body

#### MULTIPLE EXPOSURE:

Possible with lever on body

#### LENS DIAPHRAGM:

Fully automatic; full stop increments; fully lockable depth of field preview button on body

#### SHUTTER:

Vertical-travel focal-plane shutter B; 1-1/1000 second; mechanical shutter

#### FILM BACK:

Daylight loading; Interchangeable type; exclusive film backs for 120 and 220 roll film, sheet film and Polaroid Pack film

#### FILM:

120 (12 exposures) and 220 (24 exposures) roll film in 6 x 6cm, 120 (16 exposures) and 220 (32 exposures) roll film in 6 x 4.5cm; 6 1/2 x 9 sheet film and Polaroid Pack film 8 exposure 6 x 6 or 8 x 2 exposure on 6 x 4.5 with exclusive film backs for each film type.

#### METER:

TTL 3° spot or integral metering. Exposure balance with aperture or shutter priority. Exposure indication by five LEDs in viewfinder. Exposure error warned by LED. Film setting of ASA 25-6400 on film back. The metering range is EV 1-18 at ASA 100.

#### FLASH

#### SYNCHRONIZATION:

X-sync (speeds up to 1/60 sec)

#### FLASH:

PC connection plus hot shoe with dedicated contacts for an SCA 300 system compatible flash and TTL flash metering

#### BATTERY CHECK:

Built-in green light indicator

#### BATTERY:

Uses PX-28 silver oxide, PX-28 lithium, 4LR44 alkaline or equivalent 6V battery

#### DIMENSIONS:

4.6 x 5.9 x 6.9" (118 x 150 x 175mm) H.W.D. Body with 80mm lens and 120 back

#### WEIGHT:

4.2 lbs. (1915g) with 80mm lens and 120 back

*Subject to change without notice*

Technical Advice Available



## ZEISS SL66 LENSES

All Rollei SL66 lenses are designed for optimum performance and are manufactured by the world famous Carl Zeiss company. Any lens between 50 and 250mm, can be reverse mounted and with the aid of the scale on the camera body and 1:1 magnification can be achieved.

### Wide Angle

#### 30mm f/3.5 Distagon HFT with Filters (077896)

An extra-wide angle lens with fisheye characteristics; very large aperture and exceptional clarity of image. Offers full utilization of the 2 1/4" format and good coverage of the image area, even at full aperture.

**Item # RO3035SL.....3,999.00**

#### 40mm f/4 Distagon HFT (077906)

Advanced design, superbly corrected retrofocus-type superwide angle lens. Floating elements optimize the correction in the close-up range, too.

**Item # RO404SL.....4,799.00**

#### 50mm f/4 Distagon HFT (077834)

**Item # RO504SL.....2,399.00**

### Standard

#### 80mm f/2.8 Planar HFT (077847)

**RO8028SL.....1,199.00**

#### 80mm f/4 Distagon HFT Leaf Shutter (077925)

For universal use and for flash photography up to 1/500 sec. (not with TTL metering). X and M contacts can also be used without camera shutter (manual metering).

**Item # RO804SL...Discontinued**

80mm  
f/4  
Distagon  
HFT  
Leaf  
Shutter  
(077925)



### Macro



120mm  
f/4  
Macro  
Planar  
(077879)

#### 120mm f/4 Macro Planar (077879)

Special lens with high image clarity for reproduction, close ups (in the reverse position) and enlargements. Adjustable the whole range through infinity.

**RO1204SL .....3,499.00**

### Telephoto

#### Zeiss 150mm f/4

Sonar HFT (077861)

Short tele lens highly recommended for portraits.

**Item # RO1504SL.....2,399.00**

#### Zeiss 250mm f/5.6 Sonnar (077870)

**Item # RO25056SL.....3,199.00**

#### Zeiss 1000mm f/8

Tele Tessar (077916)

With lens hood (manual metering).

**Item # RO10008SL...24,999.00**

### Tele-Converter

#### 2x Teleconverter (097204)

Doubles the focal length of the lens used and aperture value is changed by two f-stops. All meter functions remain operational with teleconverters.

**Item # RO2XSL.....999.00**

120  
Film Back  
6x6cm  
(078013)



### FILM BACKS

Rollei's interchangeable film backs have been designed with the professional in mind. For example, the film speed adjustment is on the film back. The SL66SE's metering system automatically senses the right speed (older cameras can use the same back). It has a built-in frame counter, back crank and slot for storing the dark slide.

#### 120 Film Back 6 x 6cm (078013)

12 exposures.

**Item # ROFB66120SL ....999.95**

#### 120 Film Back 6 x 4.5cm (078017)

16 exposures with mask.

**Item # ROFB645120SL...1,099.95**

#### 220 Film Back 6 x 6cm (078014)

12 exposures.

**Item # ROFB66220SL...1,099.95**

#### 220 Film Back

6 x 4.5cm (078018)

32 exposures with mask.

**Item # ROFB645220SL..1,099.95**

#### Polaroid Film Back (097236)

8 exposures. Provides instant 2 1/4 x 2 1/4" prints on 3 1/4 x 4 1/4" Polaroid Pack film. Film Back has speed input for the SL66SE's AE system.

**Item # ROFBPSL .....849.95**

#### Mask for 6 x 4.5cm (097416)

**Item # ROM645SL.....39.95**

#### Dark Slide (078116)

Replacement for 120 or 220 backs.

**Item # RODSSL .....29.50**

#### Spare 120/220

Back Cover (078176)

**Item # ROMCSL.....59.95**

## SPECIFICATIONS OF SL 66 SERIES LENSES

Lens	30mm Distagon	40mm Distagon	50mm Distagon	80mm Planar	80mm Distagon	120mm-m Planar	150mm Sonnar	250mm Sonnar	1000mm Tele-Tessar
Aperture Range f.	3.5-22	4-22	4-32	2.8-22	4-32	5.6-45	4-32	5.6-45	8-64
Angle of View	180°	88°	75°	52°	52°	36°	29°	18°	4.5°
Lens Construction	8E, 7G	11E, 12G	7E, 7G	7E, 5G	5E, 5G	6E, 4G	5E, 3G	4E, 3G	4E, 4G
Minimum Focusing	0" (0cm)	2" (.6cm)	2" (.5cm)	6.3" (16cm)	6.3" (16cm)	13.8" (35cm)	23.6" (60cm)	5" (1.5m)	69" (21m)
Weight	39.9 oz. (1130g)	25.8 oz. (732g)	19.6 oz. (555g)	10.6 oz. (300g)	22.5 oz. (638g)	15.3 oz. (435g)	19.2 oz. (545g)	23.5 oz. (665g)	19.3 lbs. (8740g)
Length	4.5" (115mm)	4" (101mm)	3.7" (94mm)	2.5" (63mm)	3.4" (86mm)	3.6" (91mm)	3.7" (95mm)	5.6" (143mm)	30.2" (766mm)
Equivalent Length in 35mm Format	16mm	26mm	33mm	52mm	52mm	79mm	100mm	160mm	625mm
Filter Size	Built in M24	95mm with optional adapter	BAY VI	BAY VI	BAY VI	BAY VI	BAY VI	BAY VI	BAY VI

Subject to change without notice



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

MEDIUM FORMAT

105

# ROLLEI

## SL66SE

Universal Extension  
Tube Set (097323)



MEDIUM FORMAT

106



### VIEWFINDERS

**Magnifying Hood** (096921)  
Rigid design for waist-level viewing; eyepiece with 2.5x magnification diopter adjustment (from +0.6 to -2 diopter); removable eyepiece cup. Heightens contrast in the finder image. Particularly suitable for closeup and macro photography.  
**Item # ROMHSL.....662.50**

**45° Prism Finder** (096973)  
With case. Upright and un-reversed finder image. Locates in four positions separated by 90° and offers convenient viewing, even in awkward camera positions. Eyepiece cup can be folded back or removed.  
**Item # ROFP45SL.....1,199.95**

**Sports Frame Finder** (097365)  
For Prism Finder. Fastened onto the prism finder, this viewfinder consists of a back-sight and two frames on special lens hoods, for 80, 150 and 250mm lenses.  
**Item # ROFFKSL.....249.95**



### FOCUSING SCREEN

**Microprism Split Image with Grid Lines** (097069)  
Universal matte screen with a split-image wedge and micro-prism ring. Standard with the SL66E, 6003 and 2.8GX.  
**Item # ROFSS6.....99.95**

**High D with Split-Image and 8x10 Crop Marks** (010772)  
Super bright screen with micro structure surface for optimum assessment of depth-of-field and focusing. Split-image wedge for maximum focusing on vertical lines. Standard with the 6008 Integral.  
**Item # ROFSHDSI6.....249.95**

**Fine Matte** (097054)  
Groundglass Screen. For critical focusing with focusing magnifiers. Used for macrophotography.  
**Item # ROFSFGG6.....99.95**



### BODY ACCESSORIES

**Tripod Quick Coupler** (096725)  
For rapid camera mounting on tripod. Quick coupler can remain permanently on the tripod.  
**Item # ROAQRSL.....109.95**

**Handgrip with Cable Release** (097080)  
The handgrip makes it easier and faster to work with the Rolleiflex SL66E and SL66X. The photographer focuses with his left hand which secures the camera by the handgrip and releases the shutter and operates the fast-action crank with his right hand. The cable release is particularly useful when working with long focal lengths, since the right hand can then support the lens. It easily fits the camera by means of the built-on quick release coupler.  
**Item # ROGHSL.....437.95**

**Front Body Cap** (096862)  
**Item # ROBCSL.....59.95**

**Rear Body Cap** (096856)  
**Item # ROBCRSL.....59.95**



### LENS ACCESSORIES

#### Auto Extension Tubes

**40mm Extension Tube** (096762)  
Can be used with the 80mm extension tube or combined with the bellows unit.  
**Item # ROET40SL.....248.95**

**80mm Extension Tube** (096775)  
Can be used with 40mm extension tube or combined with bellows unit.  
**Item # ROET80SL.....277.95**

**Universal Extension Tube Set** (097323)  
This unit consists of two specially designed tubes, a lens mounting ring and an attachment ring for fitting filter and lens hoods with the lens reverse-mounted. Shutter control operation by double cable release. This unit can be fitted with lenses of 50mm to 250mm focal length. It particularly enhances image quality when using reproduction ratios greater than 1:1.  
**Item # ROETSSL.....719.95**

#### Automatic Bellows

**6 x 6 Slide Copy Stage** (097120)  
For direct copying of original slides. The kit contains a lens attachment ring, a 6x6 copying stage, and a fine focusing drive. It is used in conjunction with the Bellows Extension unit.  
**Item # ROSCS66SL.....249.95**

**35mm Slide Copy Stage** (097122)  
Same as above, but with a 24x36 copying stage.  
**Item # ROSCS35SL.....149.95**

**Bellows Unit** (097107)  
250mm extension. Can be combined with focusing rack, macro stage, vibration damper and slide copying equipment for 6x6 or 24x36 formats.  
**Item # ROBASL.....399.95**

**Focusing Rack** (097104)  
Used on a tripod it allows fine focusing. Ideal for macro photography. The rack has 6.3" (16cm) free movement.  
**Item # ROFRSL.....399.95**

**Bay VI Lens Coupling Ring** (097112)  
For copying slides.  
**Item # ROLCRB6SL.....129.95**

**SL66 Camera Coupling Ring** (097110)  
For copying slides.  
**Item # ROCRSL.....413.95**

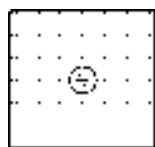
**Macro Stage** (097114)  
With 2 Subject Plates. Macro stage with interchangeable clear and diffusing screens. For photography, by direct, transmitted or oblique light.  
**Item # ROMSSL.....269.95**

**2 Spare Subject Plates** (097126)  
For macro stage.  
**Item # ROSPSL.....78.95**

**Vibration Dampers** (097118)  
A pair of dampers prevents vibrations during focusing and when taking photographs with long bellows extensions.  
**Item # ROVDSL.....334.95**

**Bright Matte** (064911)  
Microfine screen, for full area focusing. Suitable for small aperture lenses and for depth-of-field previewing. Etched lines. Indicates 6 x 4.5 format.  
**Item # ROFSBM6.....99.95**

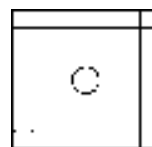
**Focusing Screen Frame** (096790)  
For above focusing screens.  
**Item # ROFSFSL.....114.95**



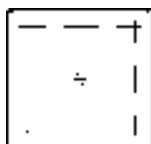
Micro-prism Split Image with Grid (097069)



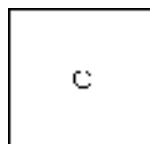
Fine Matte (097054)



Bright Matte (064911)



High D with Split-Image and 8x10 Crop Marks (010772)



Bright Matte with Microprism Spot (097074)

Corporate Accounts Are Welcome





## Specialty Lenses &amp; Adapters

**PCS Adapter for View Camera Lenses** (097287)  
Using the shift adapter (bal/tilt principle), even view camera lenses can be fitted to the Rolleiflex SL66 to cope with specialized detail and product shot applications in the telephoto range. The adapter can tilt up to 13° in any direction and can also mount view camera lenses with shutter sizes 0 and 1, from 150mm focal length, using the appropriate adapter ring. A successful synthesis of the medium format and view camera.  
**Item # ROPCSASL.....1,189.95**

**#0 Lensboard** (097306)  
For PCs adapter.  
**Item # ROLB0SL.....219.95**

**#1 Lensboard** (097307)  
For PCs adapter.  
**Item # ROLB1SL.....219.95**

**Blank Lensboard** (096853)  
With pilot hole. For unusual lenses. To be mounted directly on camera (requires drilling).  
**Item # ROLBBSL .....204.95**

**M39 M Componon Adapter** (096759)  
M-componon lenses or 39mm threaded enlarging lenses can be used on the SL66.  
**Item # ROMCAM39.....284.95**

**Schneider Componon M 28mm/4** (094361)  
For M Componon adapter.  
**Item # RO284M6.....499.95**

**Schneider Componon M 50mm/4** (094363)  
For M Componon adapter.  
**Item # RO504M6.....499.95**

**Luminar Lens Adapter** (096783)  
Lenses such as Luminar, Photar, Summar and Microtar designations, with W 0.8 x 1/8" microscope thread can be mounted on the SL66.  
**Item # ROLA.....284.95**

**Microscope Adapter** (097355)  
Provides light-proof and vibration-free connection between the camera and the microscope eyepiece.  
**Item # ROMASL.....493.95**

## Lens Hood

**Bellows Lens Hood** (098080)  
For 50-250mm lenses. Extension scales marked for focal lengths of 80, 120-250mm. Includes masks for 120 and 250mm lenses. A rear slot will accept 75mm gel filters. Spare masks for bellows lens hoods (098071).  
**Item # ROPLHB6.....664.95**

## Filters

## Bay VI Filters

**R1.5 Skylight** (096803)  
A protective filter also corrects blue casts and reduces UV rays.  
**Item # ROSLB6.....169.95**

**UV** (096820)  
UV absorbing filter improves color and eliminates definition losses due to UV radiation.  
**Item # ROUVB6.....169.95**

**Medium Yellow** (096796)  
-1.5 EV.  
**Item # ROMYB6.....169.95**

**Green** (096808)  
-1.5 EV.  
**Item # ROGRB6.....169.95**

**Orange** (096800)  
-1.5 to -3 EV.  
**Item # ROOB6.....169.95**

**Light Red** (096812)  
-2 to -3 EV.  
**Item # ROLRB6.....169.95**

**Infrared** (096817)  
For infrared photography.  
**Item # ROIB6.....239.50**

**Circular Polarizer** (096841)  
Reduces reflection from non metallic surfaces such as water, glass etc. Also boosts contrast, cuts haze and absorbs UV.  
**Item # ROCPB6.....329.95**

**Zeiss Softar I** (096900)  
Creates romantic effects, ideal for landscapes and still life subjects. It also suppresses skin blemishes in portraits.  
**Item # ROS1B6.....199.95**

**Zeiss Softar II** (096904)  
Same as Softar I but a bit stronger.  
**Item # ROS2B6.....199.95**

**Lens Hood Bay VI** (096752)  
For 50 and 60mm.  
**Item # ROLH50B6.....119.95**

**Lens Hood Bay VI** (096741)  
For 80-250mm and 1000mm lenses.  
**Item # ROLH80250B6...119.95**

## Gel Filter Holder

**Bay VI Gel Filter Holder** (096950)  
For 3 x 3" (75 x 75mm) gels.  
**Item # ROFHB633.....149.95**

## Lens Caps

**Rear Lens Cap** (077843)  
**Item # ROLCRSL .....29.50**

**Bay VI Front Lens Cap** (082501)  
**Item # ROLCB6.....19.95**



## CASES

**Aluminum Case** (098050)  
**Item # ROCASL .....951.95**



**Everready Case** (096891)  
**Item # ROCSL66E.....219.95**

**Leather Pouch Case** (096896)  
**Item # ROCSL.....176.95**

**Lens Pouch** (097992)  
For 40 to 150mm lenses.  
**Item # ROLP .....189.50**



*Zeiss Softar I (096900, and Zeiss Softar II (096904)*



**Dedicated Flash Adapter** (097661)  
Interface module for dedicated auto flash operation, including TTL flash duration control. Works with SCA 300 compatible flash systems. The flash adapter fits in the camera's hot shoe and takes the flash unit either directly or via a cable link. The adapter also provides the feedback of flash signals.  
**Item # ROFASCA356.....129.95**



**Macroflash** (097714)  
In conjunction with the Dedicated flash adapter, the Macroflash kit permits accurate close-up flash exposures with TTL flash metering. Also controls two Metz flash units of metric guide No. 32 (with ISO 100 film), with swing and tilt reflectors.  
**Item # ROMF2.....1,199.95**

**Flash Meter** (097680)  
A sophisticated precision meter for exact TTL flash exposure readings with studio or other flash units. The flash meter fits in the camera's hot shoe. The internal camera sensor measures the flash light reflected from the film surface (or from a special metering back plate) and feeds the result to the flash meter. A highly sensitive meter displays then shows whether the exposure was correct, or indicates in EV steps the required aperture or flash power adjustment.  
**Item # ROFM1 .....499.95**

**SL66 Average Metering Back Plate** (097703)  
For Flash Meter.  
**Item # ROASFM1SL.....105.95**

**SL66 Spot Metering Back Plate** (097707)  
For Flash Meter.  
**Item # ROSSFM1SL.....105.95**

# ROLLEI

## 2.8GX 6X6 SYSTEM

Rollei 2.8GX  
shown with  
standard waist-level  
finder, and built-in  
80mm f/2.8 Zeiss  
Planar lens.



MEDIUM FORMAT

108

*The Rolleiflex 2.8GX is a descendant of a classic camera series that has been every photographer's dream since 1929. The result is the classic twin lens design with the exposure features of a modern automatic Rolleiflex camera. Modern features such as TTL (through-the-lens) exposure metering, flash metering at the film surface, film speed adjustments, cable release socket, lockable shutter release, flash hot shoe and control contacts for dedicated flash units, combined with its light weight and ease-of-handling are an advantage when you want to be ready for spontaneous photography.*

### FEATURES

- Mechanical 6 x 6 T.L.R. camera
- TTL automatic flash control with flash metering at the film surface
- TTL center weighted integral exposure metering with indication in viewfinder by LEDs
- World famous Zeiss 80mm f/2.8 Planar taking lens

Rolleiflex  
2.8GX Camera (079981)  
With built-in 80mm f/2.8 Zeiss  
Planar HFT lens, waist-level  
finder neckstrap, twin lens cap  
and microprism/split with grid  
focusing screen.  
Item # RO2.8GX .....3,500.00

75th Anniversary Limited Edition  
Rolleiflex 2.8GX Camera (026059)  
Same as above with gold trim, a gold  
trimmed Rolleinar 2 Close-Up  
Adapter, and a 160 page book:  
Rollei - 75 years (1920-1995).  
Item # RO2.8GX75A.....4,895.00

### 2.8GX SPECIFICATIONS

#### TYPE:

6 x 6cm format (2 1/4 x 2 1/4")  
twin lens shutter camera,  
rack and pinion focusing,  
interchangeable finder and  
focusing screen

#### FILM ADVANCE:

Film winding lever; one 180°  
stroke. For advancing film  
with a return stroke to cock  
shutter

#### VIEWFINDER:

Heidosmat 80mm f/2.8 find-  
er lens. Parallax compensa-  
tion corresponding to dis-  
tance set. Interchangeable  
finder system. LEDs on  
body are visible in the finder  
Red LED indicates over or  
under-exposure; yellow LED  
indicates exposure deviation  
by half a stop; green LED  
indicates a correct exposure

#### FOCUSING SCREEN:

Interchangeable type;  
standard is micro  
prism/split image with grid  
lines

#### MULTIPLE EXPOSURE:

Possible with switch under  
winding crank

#### LENS:

80mm f/2.8 Zeiss Planar  
HFT 2G, 4E taking lens,  
80mm f/2.8 Heidosmat 3G,  
3E viewing lens

#### APERTURE RANGE:

f 2.8-22 with 1/2 stop click  
stops

#### ANGLE OF VIEW:

53°

#### EQUIVALENT FOCAL LENGTH IN 35MM FORMAT:

52mm

#### LENS ACCESSORY SIZE:

Bay III

#### SHUTTER:

Synchro-compur  
mechanical lens shutter;  
Shutter speeds 1 sec. to 1/500  
second plus B

#### FILM:

120 roll film 12 exposures

#### FLASH

#### SYNCHRONIZATION:

X-sync.  
1 sec to 1/500 sec. plus B

#### FLASH:

PC connection plus hot shoe  
with dedicated contacts for  
SCA 300 system flashes for  
TTL flash metering

#### METER:

Center-weighted integral  
metering by two photocells;  
indication in viewfinder  
by 5 LEDs.  
Metering range EV 3-18

#### BATTERY CHECK:

By pushbutton

#### BATTERY:

Uses PX 28 silver oxide,  
PX 28 lithium or equivalent  
6V battery (for meter only)

#### DIMENSIONS:

5.8 x 4.3 x 4.25"  
(147 x 109 x 108mm)  
H.W.D

#### WEIGHT:

45 oz. (1275g)

*Subject to change without notice*

**Most Orders Shipped Within 24 Hours**



## VIEWFINDERS

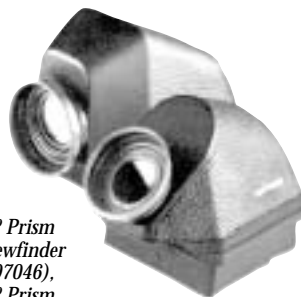
**45° Prism Viewfinder** (097046)  
With case. Optimum viewing for chest level unreversed images.

**Item # ROFP45GX.....999.95**

**90° Prism Viewfinder** (097048)  
With case. Optimum viewing for eye level unreversed images.

**Item # ROFP90GX.....999.95**

*45° Prism Viewfinder (097046), 90° Prism Viewfinder (097048)*



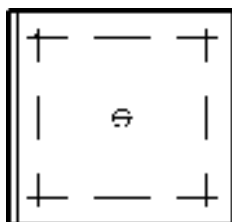
## FOCUSING SCREEN

**Microprism Split Image with Grid Lines** (097069)

Universal matte screen with a split-image wedge and microprism ring. Matte screen with fresnel pattern permits sharp focusing over the whole image area. Standard with the 2.8GX, 6003 and SL66E.

**Item # ROFSS6.....99.95**

*High D with Split-Image and 8x10 Crop Marks (010772)*

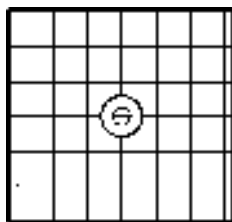


**High D with Split-Image and 8x10 Crop Marks** (010772)

Super bright screen with micro structure surface for optimum assessment of depth-of-field and focusing. Split-image wedge for maximum focusing on vertical lines. Standard with the 6008 Integral.

**Item # ROFSDSIGX..249.95**

*Microprism Split Image with Grid Lines (097069)*



**Fine Matte** (097054)

Groundglass screen for critical focusing; with focusing magnifiers. For macrophotography.

**Item # ROFSFGG6.....99.95**

*Fine Matte (097054)*

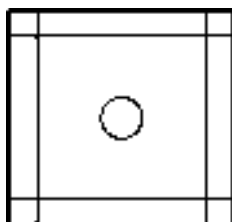


**Bright Matte** (064911)

Microfine screen for full area focusing and unobstructed composition. Suitable for small aperture lenses and for depth-of-field previewing. Etched lines indicate 6 x 4.5 format.

**Item # ROFSBM6.....99.95**

*Bright Matte (064911)*

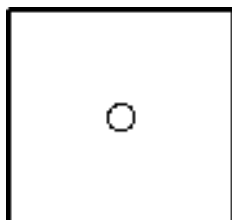


**Bright Matte with Microprism Spot** (097074)

Universal screen for rapid focusing with microprism spot and matte screen area. Permits accurate focusing even in poor light.

**Item # ROFSBMMPGX.....99.95**

*Bright Matte with Microprism Spot (097074)*



## BODY ACCESSORIES

**Tripod Quick Coupler** (096548)

For rapid mounting of camera on tripod. The quick coupler can remain permanently on the tripod.

**Item # ROAQRGX.....109.95**

**Pistol Grip** (096630)

With wrist strap and cable release. Ideal for use with prism finder.

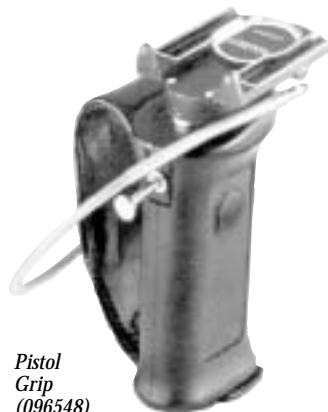
**Item # ROGPGX.....281.95**

**Neck Strap** (096574)

Replacement.

**Item # ROSNGXQ.....69.95**

*Pistol Grip (096548)*



## LENS ACCESSORIES



*Folding Lens Hood (096483)*

**Folding Lens Hood** (096483)

For protection against stray light, rain and water spray.

**Item # ROLHB3.....89.95**

**Bay III Lens Cap** (078747)

**Item # ROLCB3.....29.95**

## Filters

**R 1.5 Skylight** (096593)

**Item # ROSLB3.....99.95**

**Medium Yellow** (096427)

**Item # ROMYB3.....109.95**

**Rolleinar 1 Lens Set** (098801)

**Item # ROR1SB3.....149.95**



## FLASH ACCESSORY

**Flash Adapter** (097661)

Allows automatic flash operation with flash units using the SCA 300 system. Simply plugging into the camera's hot shoe makes the electronic connection between the camera and the flash unit. In this way, the necessary data for automatic flash control can be transferred, guaranteeing optimum flash photography.

**Item # ROFASCA356.....129.95**



*Flash Adapter (097661)*



## CASES



*Soft Leather Case (096681)*

**Soft Leather Case** (096681)

For older TLRs. Made from black napa leather. With two zip fasteners so that the camera is ready for shooting (with standard viewfinder, filter and lens hood). The case stays on the carrying strap while the camera is in use.

**Item # ROCGX.....129.95**

**Hard Leather Case** (096683)

For older TLRs.

**Item # ROCGXQ.....229.95**



# The Professional Photo SourceBook

## Section 2

### Professional Panorama

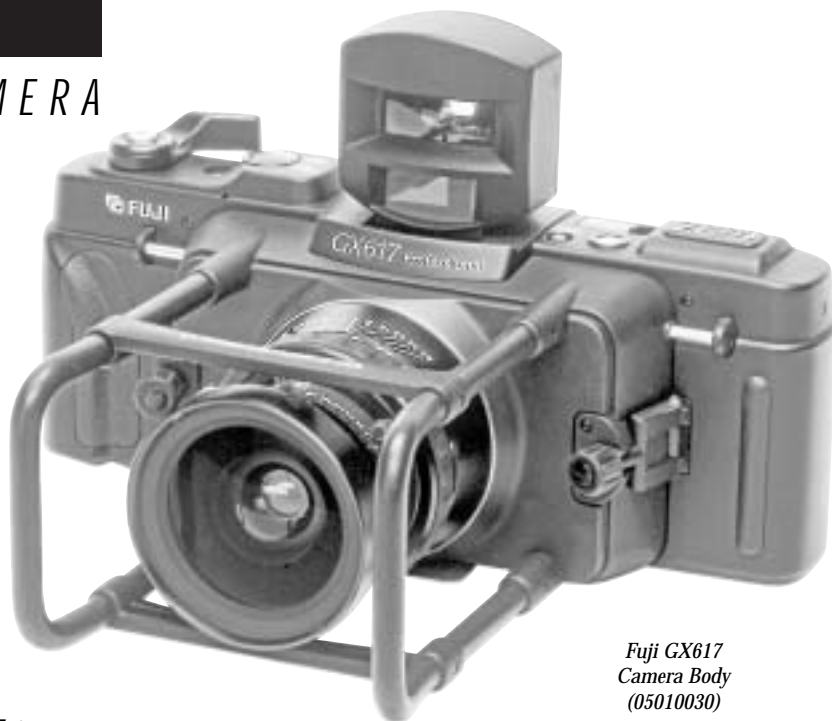
Fuji .....	112-113
Horsemen .....	114-115
Linhof .....	116-117
Noblex .....	118-120
Spinshot .....	121



# F U J I

## G X 6 1 7 2 1/4 x 6 3/4" C A M E R A

*The advanced Fuji GX617 is an extremely well-balanced panorama camera that yields astonishingly sharp photographs. Featuring four interchangeable panorama lenses, the GX617 provides a wide range of innovative possible uses that enhance everything from still lifes and interiors to landscapes. Each of these superior lenses has a dedicated bright, high magnification viewfinder that optimizes accuracy. A solid shock protector guards the lenses for extra safety in even the most difficult photographic situations. Take a good look at the GX617, and you will see the advantage of innovation.*



Fuji GX617  
Camera Body  
(05010030)

### FEATURES

- **Ergonomic, easy-to-handle body**
- **Lenses are built with solid shock protector guards for extra safety**
- **Dedicated viewfinders included with lens**
- **Film counter selection knob**
- **Choice of four top quality Fujinon lenses**
- **One-touch spool loading**
- **4 exposures on 120 rollfilm, 8 exposures on 220 rollfilm**
- GX617 Camera Body (05010030)  
Item # FUGX617.....2,663.00**

### FUJI GX617 SPECIFICATIONS

#### TYPE:

6x17cm Format (2½x6½)  
Panoramic Camera with  
Interchangeable Lenses and  
Viewfinders

#### LENS MOUNT:

Exclusive 4-Pin Type

#### VIEWFINDER:

Interchangeable Finder  
System; Dedicated High-  
Magnification Bright Frame  
Viewfinder for each Lens

#### FOCUSING SCREEN:

Optional Grid Type  
available

#### SHUTTER:

Mechanical Leaf-Type in  
Lens, with Speeds from  
1 second to 1/500+B

#### FILM:

120 Rollfilm Film (4 expo-  
sures); 220 Rollfilm Film (8  
exposures); by Adjustment  
of Pressure Plate

#### FLASH

#### SYNCHRONIZATION:

X-Sync  
(All Speeds to 1/500 Sec)

#### FLASH:

Via PC Socket on Lens

#### BATTERY:

Uses two 3v CR-123A  
Lithium Batteries for  
Electromagnetic Shutter  
Release

#### MISCELLANEOUS:

Built-In Spirit Level

#### DIMENSIONS:

11x6.7x8"  
(279x171x204mm) WHD  
with 105mm Lens and  
Viewfinder

#### WEIGHT:

2.8 lbs. (1270g) Body Only,  
5.4 lbs. (2430g) with 105mm  
Lens and Viewfinder

*Subject to change without notice*

# F U J I

## G X 6 1 7



### Fujinon EBC LENSES

Fujinon lenses allow easy correction of color balance while ensuring sensitive detail. Each lens has a mechanical shutter release, making outdoor work fast and easy. They also adapt perfectly to a variety of external flash types, making these lenses convenient for studio work. The secure 4-pin mount system allows each lens to be changed quickly, while the lens protector ensures excellent protection against impact and scratches. And each lens comes with a dedicated high-magnification bright frame viewfinder that helps ensure precise framing, and a lenshood which is effective in cutting out unwanted light. The hood has a cutout for 75mm (3") gel or polyester filters.

#### 90mm f/5.6 EBC SWD (05012040)

With viewfinder and lenshood. A super wide-angle lens, suited to shooting magnificent scenes. Extremely wide image circle gives emphasis to perspectives, transmitting a feeling of great breadth, even in difficult to capture situations, such as interiors or expansive landscapes.

Item # **FU9056GX617** ..... **2,606.00**

#### 105mm f/8 EBC SW (05012045)

With viewfinder and lenshood. An all-around wide-angle lens. Produces superior performances across a wide range of shooting conditions, from shots of landscapes and mountain scenery, to photos of buildings and other architecture.

Item # **FU1058GX617** ..... **2,500.00**

#### 180mm f/6.7 EBC W (05012050)

With viewfinder and lenshood. A standard lens that ensures natural-looking shots. This lens draws the subject in and produces dynamic images, even from a distance. It also features a focal distance that lends a new expression to panoramic photos.

Item # **FU18067GX617** ..... **2,351.00**

#### 300mm f/8 EBC (05012055)

With viewfinder and lenshood. A semi telephoto lens. Produces dynamic images from a distance. Superior performance lens.

Item # **FU3008GX617** ..... **2,834.00**

### EBC FUJINON LENS SPECIFICATIONS

Lens	90mm	105mm	180mm	300mm
Aperture Range f/	5.6-4.5	8-45	6.7-45	8-65
Shutter Type	Copal #0	Copal #0	Copal #0	Copal #0
Angle of View	89°	80.3°	52.4°	32.8°
Lens Construction	6G, 8E	6G, 6E	6G, 6E	5G, 6E
Minimum Focusing	78.7ft. (2m)	47.2ft. (1.2m)	106.3ft. (1.2m)	29.5ft. (9m)
Length	5" (128mm)	5.7" (144mm)	8.1" (206mm)	10" (253mm)
Weight	37oz. (1050g)	37.4oz. (1060g)	42.3oz. (1200g)	46.4oz. (1315g)
Equivalent Focal Length in 35mm Format	20mm	26mm	46mm	73.5mm
Filter Size	77mm	77mm	77mm	67mm

Subject to change without notice

### Focusing Screen

#### GX617 Focusing Screen (05013060)

The only way to confirm the subject and composition is through the finder. With this optional focusing screen, accurate framing is possible. It allows both the focus and composition to be confirmed at a glance.

Item # **FUFSGX617** ..... **359.00**

### Filters

The Fuji Center Filter GX617, an ND filter designed exclusively for the GX617, distributes light evenly from corner to corner for well-balanced images. Center filters are available for both the 105mm and 90mm lenses.

**GX617 Center Filter (05013065)**  
For 105mm lens.

Item # **FUCF105GX617**... **309.00**

**GX617 Center Filter (05013070)**  
For 90mm lens.

Item # **FUCF90GX617**..... **309.00**

### DEDICATED VIEWFINDERS SPECIFICATIONS

Viewfinder for:	90mm	105mm	180mm	300mm
Type	Reverse-Galilean Finder with Illuminating Type Bright Frame	Reverse-Galilean Finder with Illuminating Type Bright Frame	Reverse-Galilean Finder with Illuminating Type Bright Frame	Reverse-Galilean Finder with Illuminating Type Bright Frame
Magnification	0.5	0.5	0.74	0.97
Finder Coverage (V,H)	91%, 92%	91%, 94%	92%, 95%	94%, 97%

Subject to change without notice

PANORAMA CAMERAS

113



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# HORSEMAN

SW 612 2 1/4 x 4 1/2" CAMERA

*Horseman has designed a complete 6x12 system, starting with a choice of six interchangeable Rodenstock super-wide lenses – ranging from the Apo-Grandagon 35mm f/4.5 to the Grandagon-N 90mm f/6.8. The camera body itself is compact and lightweight, designed with rubber grips, two camera strap lugs and a built-in spirit level. An optional lens guard mounts under the camera, while the finder with interchangeable masks mounts on the top-side accessory shoe. A specially designed Horseman rollfilm holder mates perfectly to the back of the camera, offering a choice of three interchangeable film holders (6x7, 6x9, 6x12cm) and an optional Groundglass Back for precise composition. Both the focusing scales and the spirit level are visible through the viewfinder.*

*Other accessories include a neckstrap and Center Neutral Density filters to even out the exposure with these extremely wide lenses.*



SW612 Camera  
Body (21411) shown  
with optional  
viewfinder and lens

## FEATURES

- Compact and lightweight, 1.57kg, for camera, finder, 6x12 holder and 45mm lens
- 120° angle of view. Equivalent focal length of 11.5mm in a 35mm format
- Masks included with viewfinder for all 3 lenses
- Optional groundglass back and lens guard
- Practical for shooting handheld
- 6x12cm, the format of the future
- 3 interchangeable film backs

SW612 Camera Body (21411)  
Item # HOSW612.....1,254.95

## SW 612 SPECIFICATIONS

### TYPE:

6x12cm Format (2 1/4 x 4 1/2")  
Panoramic Camera with  
Interchangeable Lenses,  
Viewfinder and Film Backs

### LENS MOUNT:

Helicoid Focusing mounted  
on Special Board

### FILM ADVANCE:

Rollfilm Holder Film  
Advance Lever

*Subject to change without notice*

### VIEWFINDER:

Optional 5-Element Covers  
a Maximum Viewing Angle  
of 105° with Interchangeable  
Finder Masks matched to  
different Focal Lengths

### SHUTTER:

Mechanical Leaf Type in  
Lens with speeds from 1 sec  
to 1/500 Sec + B and T

### FILM:

120 Rollfilm 6 exposures  
with 6x12 Back, 8 exposures  
with 6x9 Back and  
10 exposures with 6x7 Back

### FLASH SYNC:

X Sync all Speeds up to  
1/500 sec

### FLASH:

Via PC Socket on Lens

### MISCELLANEOUS:

Built-On Viewfinder

### DIMENSIONS:

6.5x4x5.2"  
(164x103x133mm) WHD,  
Camera Body, 6x12 Film  
Back and 45mm Lens with-  
out Finder. 6.5" (166mm)  
Height with Viewfinder

### WEIGHT:

3.46 lbs. (1.57kg) Body,  
x12 Back, 45mm Lens  
and Viewfinder

# H O R S E M A N

## S W 6 1 2 S Y S T E M

### Horseman SW612 Lenses

Rodenstock lenses have extremely high resolution and close-to-perfect color correction. They are built into a special helicoid mount for focusing which mounts directly onto the camera.

35mm f/4.5 Apo Grandagon  
SW612 with 35mm Mask (21362)  
*Item # HO3545AGSW...2,599.95*

45mm f/4.5  
Apo Grandagon SW612 (21363)  
*Item # HO4545AGSW...2,424.95*

55mm f/4.5  
Apo Grandagon SW612 (21364)  
*Item # HO5545AGSW...2514.95*

65mm f/4.5  
Grandagon SW612 (21365)  
*Item # HO6545GSW.....2694.95*

75mm f/6.8  
Grandagon N SW612 (21366)  
*Item # HO7568GNSW..2967.95*

90mm f/6.8  
Grandagon N SW612 (21367)  
*Item # HO9068GNSW..3079.95*

### Viewfinders

This 5-element viewfinder covers a maximum viewing angle of 105°. Interchangeable finder masks match it to different focal length lenses.

SW Viewfinder (21511)  
With finder masks for 45mm, 55mm and 65mm. Weighs 6oz. (170g).  
*Item # HOFVSW.....444.95*

### SW 612 Film Backs

In addition to the super wide view 6x12cm format, less extreme wide-angle formats are covered by easily interchangeable film holders.

SW Rollfilm Holder  
6x12cm (22463)  
6 exposures on 120 film. Actual picture size 56 x 112mm (2.2 x 4.4"). Weighs 18.3oz. (520g).  
*Item # HOFB612SW.....849.95*

SW Rollfilm Holder 6x9cm (22455)  
8 exposures on 120 film. Actual picture size 56 x 82mm (2.2 x 3.22"). Weighs 16.2oz. (460g).  
*Item # HOFB69SW.....659.95*

SW Rollfilm Holder 6x7cm (22456)  
10 exposures on 120 film. Actual picture size 56 x 68mm (2.2 x 2.68"). Weighs 16.2oz. (460g).  
*Item # HOFB67SW.....659.95*

### Accessories

SW612 Groundglass Back (21461)  
Attached as an optional accessory for accurate framing.  
*Item # HOGGBSW.....194.95*

SW Groundglass Only (23981)  
*Item # HOGGSW.....44.95*

SW Lens Guard (21462)  
Protects lens from bumps.  
*Item # HOLGSW.....188.95*

Neck Strap (21471)  
*Item # HOSNSW.....28.95*

58mm Center Filter (29227)  
Fits 45mm and 65mm lenses. Helps minimize an undesirable increase in density at the edges.  
*Item # HOCF45SW.....359.95*

67mm Center Filter (29228)  
Fits 55mm SW lens.  
*Item # HOCF55SW.....529.95*

### Camera Outfits

SW 612 Body,  
SW Viewfinder,  
SW 45mm Lens, SW 6x12  
Rollfilm Holder (21613)  
*Item # HOSW61245612.....3,595.50*

SW 612 Body, SW Viewfinder,  
SW 55mm Lens, SW 6x12  
Rollfilm Holder (21614)  
*Item # HOSW61255612.....3,865.50*

SW 612 Body, SW Viewfinder,  
SW 65mm Lens, SW 6x12  
Rollfilm Holder (21615)  
*Item # HOSW61265612.....3,955.50*

SW 612 Body, SW Viewfinder,  
SW 45mm Lens, SW 6x9  
Rollfilm Holder (21623)  
*Item # HOSW6124569.....3,505.50*

SW 612 Body, SW Viewfinder,  
SW 55mm Lens, SW 6x9  
Rollfilm Holder (21624)  
*Item # HOSW6125569..3,775.50*

SW 612 Body, SW Viewfinder,  
SW 65mm Lens, SW 6x9  
Rollfilm Holder (21625)  
*Item # HOSW6126569..3,865.50*

SW 612 Body, SW Viewfinder,  
SW 45mm Lens, SW 6x7  
Rollfilm Holder (21633)  
*Item # HOSW6124567..3,505.50*

SW 612 Body, SW Viewfinder,  
SW 55mm Lens, SW 6x7  
Rollfilm Holder (21634)  
*Item # HOSW6125567..3,775.50*

SW 612 Body, SW Viewfinder,  
SW 65mm Lens, SW 6x7  
Rollfilm Holder (21635)  
*Item # HOSW6126567..3,865.50*

### SW612 RODENSTOCK LENS SPECIFICATIONS

Lens	35mm	45mm	55mm	65mm	75mm	90mm
Aperture Range f/	4.5-22	4.5-32	4.5-45	4.5-45	6.8-45	6.8-45
Shutter Type	Copal #0	Copal #0	Copal #0	Copal #0	Copal #0	Copal #0
Angle of View	120°	102°	91°	81°	73°	64°
Lens Construction	4G, 8E	4G, 8E	4G, 8E	4G, 8E	4G, 6E	4G, 6E
Minimum Focusing	1 ft. (.3m)	1.3 ft. (.4m)	2 ft. (.6m)	2.3 ft. (.7m)	3 ft. (.9m)	4.3 ft. (1.3m)
Weight	16.2 oz. (460g)	18.3oz. (520g)	20.1oz. (570g)	18.3oz. (520g)	19.4 oz. (550g)	26.1 oz. (740g)
Equivalent Focal Length in 35mm Format	11.5mm	14.5mm	18mm	21mm	24mm	29mm
Filter Size	67mm	58mm	67mm	58mm	58mm	67mm

Subject to change without notice



*The Technorama 612 PC II compact handheld 6x12cm camera is ideal for scenic, architecture, interior and technical photography. It features three optional high-performance interchangeable lenses with built-in rise, exact picture composition and perspective control. It also features a sophisticated optical finder with a reflected spirit-level and a reference center cross for exact camera orientation. The ergonomical shutter release allows smooth, vibration-free photography.*



Linhof Technorama  
612 PC II

### FEATURES

- **3 superior quality interchangeable Schneider lenses with built-in 8° lens rise**
- **Precision German engineering**
- **Six exposures with 120 rollfilm or twelve exposures with 220 rollfilm**
- **Compact and lightweight**
- **Built-in accessory shoe**

Technorama 612 PC II Body (000099)

With strap.

Item # **LIT612** .....**3,349.95**

Technorama 612 PC II (000094)

With 58mm f/5.6 XL lens and strap.

Item # **LIT6125856** .....**8,299.95**



### TECHNORAMA LENSES

Technorama APO Symmar  
135mm f/5.6 (000779)  
Item # **LI13556ST612**..**3,866.50**

Technorama Super Angulon  
58mm f/5.6 (000894)  
Item # **LI5856SAXL**..**4,645.95**

Technorama Super Angulon  
65mm f/5.6 (000778)  
Item # **LI6556SAT612**..**4,058.95**



### OPTICAL VIEWFINDERS

Bright line framefinders. Spirit level can be seen in the finder.

Optical Viewfinder 58/135 (001450)  
Shows outline for using 58mm or 135mm lenses.  
Item # **LIFO58135612**..**1,209.95**

Optical Viewfinder 65/135 (001446)  
Shows outline for 65mm or 135mm lenses.  
Item # **LIFO65135612**..**1,209.95**



### BODY ACCESSORIES

Linhof 49mm Center Filter (022139)  
Outer thread will accept 67mm filters. Fits 135mm lens.

Item # **LICF75**.....**366.95**

Shoulder Soft Case 612PC (022470)  
Holds camera, 2 lenses, film and filters. 15.7x6.7x6.7" (40 x 17 x 17cm) LWH. Weighs 37oz. (1050g).

Item # **LICST612** .....**429.50**

Linhof 67mm Center Filter (022140)  
Outer thread will accept 86mm filters. Fits 58 and 65mm lens.

Item # **LICF65**.....**519.95**

Aluminum Case 612PC (022471)  
Holds camera, 2 lenses, film and filters. 13.4 x 6.3 x 7.9" (34 x 16 x 20cm) LWH. Weighs 38oz. (1065g).

Item # **LICAT612** .....**423.95**

### LINHOFF 612 PC II LENS SPECIFICATIONS

Lens	58mm	65mm	135mm
Aperture Range f/	5.6-32	5.6-45	5.6-45
Shutter Type	Copal #0	Copal #0	Copal #0
Angle of View	94°	86°	44°
Lens Construction	4G, 8E	4G, 6E	4G, 6E
Minimum Focusing	4ft. (1.3m)	5ft. (1.5m)	10ft. (3.5m)
Length	5.9" (150mm)	5.9" (150mm)	5.9" (150mm)
Weight	23oz. (650g)	23oz. (650g)	27oz. 770g)
Equivalent Focal Length in 35mm Format	21mm	24mm	55mm
Filter Size	67mm EW	67mm EW	49mm EW

Subject to change without notice

### LINHOFF 617 SIII LENS SPECIFICATIONS

Lens	72mm	90mm	180mm
Aperture Range f/	5.6-45	5.6-45	5.6-64
Shutter Type	Copal #0	Copal #0	Copal #0
Angle of View	115°	110°	72°
Lens Construction	4G, 8E	4G, 8E	4G, 6E
Minimum Focusing	3.9 ft. (1.2m)	5.6 ft. (1.7m)	7.5 ft. (2.3m)
Length	8.7" (221mm)	8.3" (212mm)	8.3" (212mm)
Weight	40 oz. (1130g)	45 oz. (1280g)	41 oz. (1160g)
Equivalent Focal Length in 35mm Format	24mm	28mm	50mm
Filter Size	95mm EW	95mm EW	58mm

Subject to change without notice

# L I N H O F

## 6 1 7 S I I I 2 1/4 x 6 3/4" CAMERA

*The 617 SIII is the perfect choice for the demanding photographer specializing in architectural, industrial, scenic and travel photography. It accepts a choice of 3 interchangeable lenses, allowing you up to a 115° angle-of-view with the Schneider Super Angulon 72mm lens. A special finder, indicating brightline finder frames and parallax compensation in the close-up range, is available for each lens. The reflected spirit level visible in the finder controls the vertical and horizontal orientation of the film plane. This brings the larger format to a handling convenience of a compact camera.*



Linhof Technorama  
617 S III

PANORAMA CAMERAS

117

Technorama 617 S III (000113)  
Camera body with strap.  
Item # LIT617S3 .....3272.50

- **Choice of 3 optional Schneider lenses**
- **Great for stock photography**
- **Super wide-angle photography**

### TECHNORAMA LENSES

Technorama Super Angulon  
XL 72/f5.6 (000909)  
Item # LI7256SAXL....3949.95

Technorama Super Angulon  
XL 90/f5.6 (000910)  
Item # LI9056SAXL....3969.95

Technorama Apo Symmar  
180/f5.6 (000911)  
Item # LI18056AS.....2899.95

### OPTICAL VIEWFINDERS

Bright line framefinders with  
spirit-level visible in finder.

Optical Viewfinder 72 (001301)  
Item # LIF72617S3.....762.50

Optical Viewfinder 90 (001302)  
Item # LIF90617S3.....762.50

Optical Viewfinder 180 (001303)  
Item # LIF180617S3.....749.95

### BODY ACCESSORIES

Center Filter 4x 82mm (022281)  
Minimizes undesirable  
increase in density at the  
edges. For original 617s.  
Item # LICF90T617S....699.00

Aluminum Case 617S (022483)  
Sturdy aluminum case.  
Dimensions are 10.8 x 7.1 x  
5.1" (28 x 18 x 13cm).  
Item # LICAT617S.....584.95

## 612PCII and 617SIII SPECIFICATIONS

### TYPE:

612PCII: 6x12cm Format  
(2 1/4 x 4 1/4") Rangefinder  
Camera with  
Interchangeable Lenses

617SIII: 6x17cm Format  
(2 1/4 x 6 3/4") Rangefinder  
Camera

### LENS MOUNT:

Helical Focusing mounted  
on Special Board

### FILM ADVANCE:

Film Advance Knob with  
Fold Out Crank. Automatic  
Film Stop. Release Knob on  
Rear Side of Camera

### VIEWFINDER:

Removable Bright Line  
Viewfinder with Reference  
Lines. Integrated Spirit Level  
seen in Viewfinder

### SHUTTER:

Mechanical Leaf Type in  
Lens with Speeds from 1  
Sec. to 1/500 + B, and T

### FILM:

612PCII:  
120 Rollfilm (6 exposures)  
220 Rollfilm (12 exposures)

617SIII:  
120 Rollfilm (4 exposures)  
220 Rollfilm (8 exposures)

### FLASH SYNC:

X Sync all Speeds up to  
1/500 sec

### FLASH:

Via PC Socket on Lens

### MISCELLANEOUS:

612PCII:  
Tripod Bushing on top of  
Camera for Mounting  
Camera Upside Down  
(for preshifting lens  
from rise to fall);  
Gel Filter Holder between  
Camera and Lens

### DIMENSIONS:

612PCII:  
8.7 x 2 x 4.3"  
(220 x 50 x 110mm) LWH  
Body only

617SIII:  
10.8 x 7.1 x 5.1"  
(275 x 180 x 130mm) LWH  
without Finder

### WEIGHT:

612PCII:  
42 oz. (1180g) Body only

617SIII:  
5.3 lbs. (2.4kg) with Lens

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# NOBLEX

## PRO 150 2 1/4 x 4 1/2" SYSTEM

*Providing a 146° angle-of-view, the Pro 150 uses a high-grade Tessar rotating lens, which provides a super wide-angle photo without distortion. Rugged solid aluminum body performs well, even in extreme conditions. The start-stop mechanism prevents vibrations. Features such as battery check, integrated hand grips, cable release socket, anti-rotation tripod socket, large panorama viewfinder and spirit-level make this 2 1/4" panorama camera the perfect choice for professionals.*



Noblex Pro 150

### FEATURES

- **Constructed from metal die-cast with black polycarbonate rubberized finish**
- **Bright optical viewfinder with spirit-level**
- **6 panoramic exposures on 120 rollfilm film**

Pro 150 (3500)  
Item # NOP150 .....**2,499.00**

Pro 150 F  
Same as the Pro 150, with 3-point focusing – close-up 3" (75mm), medium range 15" (38cm) and infinity.  
Item # NOP150F .....**2,975.00**

Pro 150 E (3501)  
Same as the Pro 150, but will accept the Panalux Pro Exposure Module.  
Item # NOP150E .....**2,695.00**

Pro 150 FE (3511)  
Same as the Pro 150, but will accept the Panalux Pro Exposure Module. Its lens can also be adjusted to a choice of three focusing positions: 1m, 3m and infinity.  
Item # NOP150FE .....**3,390.00**

Pro 150 S (6150S)  
Same as the Pro 150, with a shift of nearly 5mm.  
Item # NOP150S .....**2,975.00**

Pro 150 HS (6150HS)  
Same as the Pro 150, with a high speed shutter. Ideal for sports and aerial photography, it has a shutter speed of 1/1000 and 1/500 of a second.  
Item # NOP150HS .....**2,975.00**

Pro 150 U Plus (8000)  
Includes shift and focus features, as well as a slow speed motor module which expands the shutter speed range down to 1/8, 1/4, 1/2, 1 sec. and 2 sec.  
Item # NOP150UP .....**4,545.00**

### PRO 150 SPECIFICATIONS

#### TYPE:

6x12cm Format (2 1/4 x 4 1/2")  
Picture size 50 x 120mm

#### FILM ADVANCE:

Manual Film Winding Knob

#### VIEWFINDER:

Built-In Finder (removable on the Pro 150U);  
90% Field-of-View

#### LENS:

50mm f/4.5 3G, 4E Noblar  
Permanently Mounted  
Tessar Lens in an  
Electric Motor Activating a  
High Precision Drum with  
Variable Rotation Speeds

#### MULTIPLE EXPOSURE:

Possible with Multiple  
Exposure Switch

#### APERTURE RANGE:

f/4.5-f/22

#### ANGLE OF VIEW:

146°

#### LENS ACCESSORY SIZE:

Accepts Special Magnetic  
Filters

#### SHUTTER:

Rotating Gap, Motor Driven  
Standard Speeds:

1/15, 1/30, 1/60, 1/125, 1/250 Second

150 HS:

1/60, 1/125, 1/250, 1/500 and 1/1000 speed

150 U Plus: Has Additional

1/8, 1/4, 1/2, 1 sec. and 2 sec.

Speeds with Supplied Slow  
Speed Module

#### FILM:

120 Rollfilm (6 exposures)

#### BATTERY:

4 AA Batteries Power Motor

#### BATTERY CHECK:

Built-in LED Battery Power  
Indicator

#### OTHER:

2 Spirit Levels Built Onto  
Camera (one visible in  
viewfinder)

#### DIMENSIONS:

150 Basic 8.3 x 4.5 x 7.3"  
(210 x 115 x 185mm)

#### WEIGHT:

3.9 lbs. (1790g)

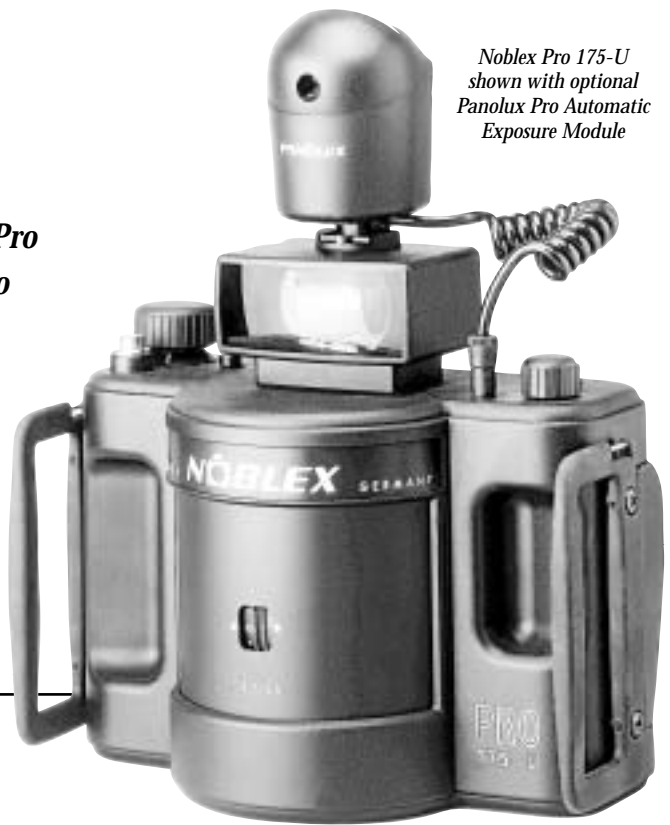
Subject to change without notice

# NOBLEX

## PRO 175 - U 6 x 17" SYSTEM

*The Pro 175-U combines the technical parameters of the Pro 150 series with the super panoramic 6 x 17 format. The Pro 175-U produces super wide 138° images by way of a rotating lens with a shutter slit on a curved film plane. The rotating drum is driven by a DC motor and makes one rotation per exposure. A slow speed motor module will also expand shutter speed down to 2 seconds. The Pro 175-U also features a removable finder and a connection for an optional Panolux Automatic Adapter for exposure automation.*

*Noblex Pro 175-U shown with optional Panolux Pro Automatic Exposure Module*



PANORAMA CAMERAS

119

### PRO 175-U AND NOBLEX SYSTEM ACCESSORIES

Pro 175-U Plus  
Panoramic Camera (8001)  
Item # **NOP175UP** .....**5595.00**

Close-Up Lens #2 (3991)  
Close focus 4.3-6.6 ft. (1.3-2m).  
Item # **NOCU5** .....**119.95**

Panolux Pro Automatic  
Exposure Module  
For the 150 U Plus, E, FE and  
175U.  
Item # **NOP150Q** .....**899.00**

Haze Filter (3910)  
Item # **NOUVP** .....**44.95**  
  
Yellow-Green 11 Filter (3911)  
Item # **NOYGP** .....**44.95**

Red 25A Filter (3914)  
Item # **NORP** .....**44.95**  
  
Skylight 1A Filter (3915)  
Item # **NOSLP** .....**44.95**

Graduated Grey Filter  
Item # **NOPGCLP** .....**73.95**

Close-Up Lens #1 (3990)  
Close focus 6.6-13' (2-4m).  
Item # **NOCU10** .....**119.95**

Yellow K2 Filter (3912)  
Item # **NOYP** .....**44.95**  
  
Orange G15 Filter (3913)  
Item # **NOOP** .....**44.95**

N.D. 4x Filter (2 Stops) (3917)  
Item # **NOND4P** .....**44.95**  
  
N.D. 8x Filter (4 Stops) (3918)  
Item # **NOND8P** .....**44.95**

Graduated Grey Filter  
3mm centerline. For use when  
only part of the sky needs to be  
filtered.  
Item # **NOPG3CLP** .....**73.95**

Tweezer Tool (3999)  
Item # **NOT** .....**18.95**

### PRO 175 SPECIFICATIONS

#### TYPE:

6x17cm Format (2 1/4 x 6 3/4")  
Picture Size 50 x 170mm

#### FILM ADVANCE:

Manual Film Winding Knob

#### VIEWFINDER:

Removable Finder;  
90% Field-of-View

#### LENS:

75mm f/6.5 3G,4E Noblar  
Permanently Mounted  
Tessar Lens in an  
Electric Motor Activating a  
High Precision Drum with  
Variable Rotation Speeds

#### MULTIPLE EXPOSURE:

Possible with Multiple  
Exposure Switch

#### APERTURE RANGE:

f/6.5-f/22 with 1/2 Stops Up  
to f/16

#### ANGLE OF VIEW:

138°

#### LENS ACCESSORY SIZE:

Accepts Special Magnetic  
Filters

#### SHUTTER:

Rotating Gap, Motor Driven  
Standard Speeds:  
1/15, 1/30, 1/60, 1/125, 1/250 Second  
on Camera  
1/8, 1/4, 1/2, 1 Sec. and 2 Sec.  
Speeds with Supplied Slow  
Speed Module

#### FILM:

120 Rollfilm (4 exposures)

#### BATTERY:

4 AA Batteries Power Motor

#### BATTERY CHECK:

Built-In LED Battery  
Power Indicator

#### OTHER:

2 Spirit Levels Built Onto  
Camera (one visible in  
viewfinder);  
3/8" and 1/4" Tripod Socket

#### DIMENSIONS:

150 Basic 8.3 x 6.1 x 7.3"  
(210 x 155 x 185mm)

#### WEIGHT:

5 lbs. (2300g)

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



# NOBLEX

## 35MM CAMERA

*Noblex 35mm panorama cameras, with an angle-of-view of 136°, are ideal for landscape, travel photography and group portrait use. With an interior body cast from extremely rugged aluminum, the electronically controlled gear mechanism assures you of exact shutter rotation time after time. The start-stop mechanism prevents vibrations, while a high-grade Tessar-type lens ensures sharp pictures. Manual and auto shutter speeds, battery-on, cable release socket, anti-rotation tripod socket, large panorama viewfinder and spirit level visible in the finder make this camera a perfect choice for professionals and serious amateur.*



### 135S, 135U AND ACCESSORIES

#### ■ Multiple exposure capability

#### ■ High picture quality and precision construction

Panoramic 135S (3610)  
With camera carry case and strap.  
Item # NO135S .....1,695.00

Panoramic 135U (3600)  
Same as 135S, with additional shutter speeds. With carry case and strap.  
Item # NO135U .....2,395.00

Panolux Pro Automatic Exposure Module  
Item # NOP135 .....799.00

Haze Filter (3930)  
Item # NOUV35 .....44.95

Skylight Filter (3935)  
Item # NOSL35 .....44.95

Orange G15 Filter (3933)  
Item # NOO35 .....44.95

Red 25A Filter (3934)  
Item # NOR35 .....44.95

Yellow K2 Filter (3932)  
Item # NOY35 .....44.95

Yellow-Green 11 Filter (3931)  
Item # NOYG35 .....44.95

N.D. 4x Filter (2 Stops) (3937)  
Item # NOND435 .....44.95

N.D. 8x Filter (4 Stops) (3938)  
Item # NOND835 .....44.95

Partial Gray Filter (Centerline) (3939)  
Item # NOPG35 .....74.95

### 135 SPECIFICATIONS

#### TYPE:

35mm Panoramic Camera  
Picture Size 24x66mm

#### FILM ADVANCE:

Film Winding Knob 360°  
Winding Disc

#### VIEWFINDER:

Built-In Rangefinder

#### LENS:

29mm 3G,4E Noblar  
Permanently Mounted  
Tessar Type Lens in an  
Electric Driven Circuit  
Board Controlled Activating  
a High Precision Drum  
Containing the lens with  
Variable Rotation Speeds

#### MULTIPLE EXPOSURE:

Possible

#### APERTURE RANGE:

f/4.5-f/16

#### ANGLE OF VIEW:

136°

#### LENS ACCESSORY SIZE:

Accepts Special Magnetic  
Filters

#### SHUTTER:

Rotating Slit, Motor Driven  
Std Speeds:  $\frac{1}{500}$ ,  $\frac{1}{250}$ ,  $\frac{1}{125}$ ,  $\frac{1}{50}$ ,  $\frac{1}{30}$   
 $\frac{1}{15}$  Sec Model #135S  
 $\frac{1}{500}$ ,  $\frac{1}{250}$ ,  $\frac{1}{125}$ ,  $\frac{1}{50}$ ,  $\frac{1}{30}$ ,  $\frac{1}{15}$ ,  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{1}{2}$   
1 Sec Model #135U

#### AUTO EXPOSURE:

With Optional Panolux  
Exposure Module

#### FILM:

35mm (36 exp=19 Frames, 24  
exp=12 Frames)

#### BATTERY:

4 AAA to Power Motor  
Shutter and Digital Frame  
Counter

#### BATTERY CHECK:

Built-in LED Power  
Indicator

#### OTHER:

Spirit Level Built Onto  
Accessory Shoe (visible in  
viewfinder) Accessory Shoe  
with Electrical Contacts for  
Exp Automation

#### DIMENSIONS:

6.5 x 2.6 x 5.1"  
(165 x 65 x 130mm) LWH"

#### WEIGHT:

27.9oz. (790g)

*Subject to change without notice*

# SPINSHOT

## 35S CAMERA

*With the Spin Shot 35 S, you are no longer limited to the frame of the viewfinder. An entire 360° scene can be captured.*

*For instance, you can look up at a tall building and down at the ground. From a car, you can see where you are going and where you have been. The Spin Shot 35 S can even be used upside down. Because of its high shutter speed, the camera position can be changed during the exposure. A scene can even be captured both vertically and horizontally on the same continuous image. Shutter speed with the pull-string handle is 1/500 of a second. As the Spin Shot 35 S rotates, it automatically pulls the film across the shutter's narrow (1.5mm) slit. This makes a continuous image on about seven inches of standard 35mm film (360 degrees). The image is not confined to 360° or less. As long as the camera scans, an image is made. With the following features, this camera introduces a whole new experience to the professional and serious amateur.*



PANORAMA CAMERAS

121

### FEATURES

- Compact and easy to handle
- Captures an entire 360° View
- 2 spirit levels, at top and bottom of camera, for horizontal positioning
- Powered by untiring steel spring motor, without electricity or batteries
- Perfectly balanced with convenient grip for handheld or tripod mounted pictures
- Uses standard 35mm film
- Holding the body while turning the grip converts it into a streak camera
- Hand crafted in U.S.A.
- Manual control of exposures with pull-string

Spin Shot 35 S 35mm  
Panoramic Camera with 360°  
Test Film  
Item # SPCP .....649.95

### 35S SPECIFICATIONS

#### TYPE:

35mm 360° Panoramic  
Camera  
Picture Size .94x6.25"  
(24x160mm)

#### FILM ADVANCE:

Spring Steel Winding Motor

#### VIEWFINDER:

90° Rangefinder

#### LENS:

25mm with a 56° Angle of  
Coverage

#### APERTURE:

f/11

#### ANGLE OF VIEW:

Up to 360°

#### LENS ACCESSORY SIZE:

52mm

#### SHUTTER:

Scanning Film Behind  
1.5mm Wide Slit gives  
Equivalent 1/500 Sec or  
Slower Speeds

#### FILM:

35mm 36 exp = 7 Frames  
6.25" (15.9cm) Long

#### OTHER:

Built-In Spirit Level

#### DIMENSIONS:

3.5x4x8.5"  
(8.9x10.2x21.6cm) WDH

#### WEIGHT:

26.7oz. (756g)

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



# The Professional Photo SourceBook

## Section 3a

### LargeFormat – Field

Introduction .....	124-129
Gandolfi .....	130
Horseman .....	131-137
Linhof .....	138-144
Toyo .....	145-146
Wisner .....	147-150
Wista .....	151-156

# LARGE FORMAT

## INTRODUCTION

The term **Large Format** simply means big film size. Large format cameras use sheet film sized 4 x 5" or larger with the most common film sizes being 4 x 5" and 8 x 10". Why such a large film size? Because in photography, the bigger the film size, the better the quality. A larger negative produces better quality prints because it requires less magnification than a smaller negative would. For example, to create a 8 x 10" print from a 35mm negative, you must enlarge the print 8 times. If you had a 4 x 5" negative, you'd only have to enlarge it 2 times. And if you used an 8 x 10" negative, you wouldn't have to enlarge the print at all! In addition, a larger negative offers a much greater range of tonal values and less apparent graininess, due to the greater number of silver halide crystals on the image.

### Modern View Cameras

Although the basic concept of the view camera has changed little since the early days of photography, refinements in design, materials and manufacturing have brought today's large-format cameras into the realm of space-age technology. Offering precision adjustments of the lens and film plane, modern view cameras provide unparalleled control of the large-format image. With the aid of computers, designers have improved both the speed and quality of large-format lenses. Yet, it remains what it has always been – a tool for the creativity of the user.

### Types of View Cameras

Virtually all view cameras can be divided into two basic design types – flatbed and monorail. Each type of camera has its own advantages and disadvantages. Choosing the one that is right for you is largely a matter of knowing what types of subjects you'll be working with and under what conditions you'll be photographing. All view cameras have three common components: a rear standard to hold the film, a front standard to hold the lens, and a flexible bellows to adjust the distance between the lens and film. The way the standards are joined defines the type of camera.

#### Flatbed Cameras

Often referred to generically as *field cameras*, flatbed cameras are light and portable enough to carry any-



*Toyo 45GX  
monorail  
view camera  
shown on  
a pan head  
with a  
Nikkor-W  
210mm lens  
mounted on  
a lensboard*

where. In a flatbed camera, the two standards travel on a rectangular framework or "bed." The frame usually consists of a dual telescoping track that allows you to easily adjust the lens-to-film distance. Most flatbed cameras can be folded up into a compact, self-contained box for carrying. Potential limitation of field cameras is that not all of them accept interchangeable bellows — a major drawback if you work with very wide-angle lenses.

### Monorail Cameras

In a monorail camera, front and rear standards travel on a single tubular channel or rail. The great advantage of monorail cameras is their extraordinary flexibility and almost limitless combination of camera movements. Front and rear standards can be independently adjusted to the most extreme angles — usually far beyond the needs of most shooting situations. Some monorail cameras are designed in modular fashion so that parts like standards and bellows and extension rails can be snapped in or out easily.

Monorail cameras are particularly popular with studio and industrial photographers whose photography frequently demands radical camera adjustments, or use of more elaborate accessories.

The drawback is a lack of mobility. If you are working



in a studio or at locations where bringing your equipment is no problem, a monorail camera should not present any real handicaps. But if you are traveling some distance by foot, a monorail camera can be a burden. While all of those great accessories are fine in the studio, they can quickly become a nuisance to keep track of in the field.

Regardless of which type of camera you are thinking of working with, the questions of portability and convenience should be given serious and realistic consideration. Field and monorail cameras range from a few pounds to 30 or more pounds. And remember, where the camera goes, so must the film holders, the light meters, the camera case and the tripod.

### Selecting a Format

Over the years, view cameras have been made to accommodate a variety of film sizes, from as small as 35mm to as big as 20 x 24 inches and larger. Today, the two main view-camera formats in use are 8 x 10" and 4 x 5"; and though rapid strides in film technology are noticeably eroding the quality differences even between these two, each format does have its own virtues and benefits.

### *Which format is right for you?*

Choosing a camera on the basis of film size requires serious consideration of several factors. In many commercial applications (studio still lifes, for instance), the quality of reproduction will almost certainly be an important priority. Many product photographers prefer working with 8 x 10 cameras, because such large negatives (and transparencies) allow far greater freedom in post-production techniques — retouching, stripping, making composites, etc. Industrial photographers, on the other hand, may prefer a 4 x 5 format camera, because a wider variety of lenses are available in this size, and because it is more portable and easier to use.

Though view camera prices tend to increase substantially as the format size increases, there is a far greater difference in price among the brands within the same format. Precision, high-quality workmanship and durability generally account for the differences. Lenses for 8 x 10 cameras are less plentiful and more expensive than lenses for smaller formats, and the size of the film being used has an effect on cost throughout your processing and printing system.

### Multiple Formats

For those who must produce photographs in more than

one format, it is not necessary to purchase a completely separate view camera for each film size — there are alternative methods of adapting cameras to different formats.

- A. The interchangeability of lenses with the appropriate lens board adapters.*
- B. Reducing backs, available for many larger view cameras, allow you to use smaller film sizes.*
- C. Some view cameras, called convertibles, use a more elaborate system that involves switching bellows and rear standards to change formats.*
- D. For switching to an even smaller format, rollfilm backs are also available and allow you to use 120-size rollfilm on your view camera. In essence, you can convert a 4 x 5 camera to a medium format view camera. Some brands of view cameras also allow you to attach your existing 35mm or 120-rollfilm camera body directly to the back of your view camera.*

### A Choice of Accessories

Camera and lens manufacturers have made considerable progress in simplifying view camera operation. The shutters on most modern view camera lenses, for example, can be opened for focusing and closed with a separate lever without altering the shutter speed or aperture setting.

Several devices enable you to set the shutter speed and the f/stop from behind the camera. Another somewhat more sophisticated device automatically opens the shutter and diaphragm for focusing when a film holder is removed from the camera. To "correct" the upside down groundglass image, there is a reflex viewer that also eliminates the need for a focusing cloth.

*Horseman  
Woodman 45  
field camera  
shown with a  
150mm Schneider  
lens mounted on  
a lensboard*



# LARGE FORMAT

## INTRODUCTION

An exposure meter with a probe to take spot readings directly from the groundglass simplifies exposure readings. One of the benefits of exposure reading taken at the film plane is that it eliminates the need to calculate an exposure increase for the extended lens-to-film distance. As an aid in previewing a setup, instant print film backs are available in both the 4 x 5" and 8 x 10" formats. Using an instant print film back allows you to produce test results for checking the image before committing to the final result. You can examine composition, lighting and exposure – in black & white or color.

### Movements

The principal features that set view cameras apart from all nonadjustable cameras are the cameras movements. In a nonadjustable camera, the relationship of the lens to the film plane is fixed and permanent; other than switching from one lens focal length to another, or changing your camera position, fixed cameras offer you little actual control over image manipulation.

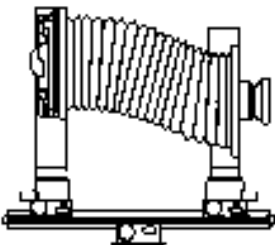
A view camera, on the other hand, allows you to change virtually every aspect of the lens/film relationship, including: lens-to-film distance, vertical and horizontal displacement and angular relationship. Because of this flexibility, you have almost limitless control over the groundglass image. You can enhance, change or exaggerate image size, shape, sharpness, depth of field and apparent perspective. In addition, you can shift the placement of the main subject within the borders of the glass without having to move the camera, allowing you to fine-tune composition even after the camera position has been established.

### Basic Swing and Tilt Operations

*The following basic movements are possible in actual use:*

#### 1. Rise and Fall

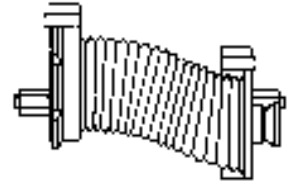
These terms refer to moving the lens and/or film upward or downward while keeping the lens and film planes perpendicular to each other. Upward movement is called rise, downward movement is called fall. The effect remains almost identical



regardless of whether it is the lens or film holder that is moved. However, it must be remembered that when the film holder is moved, the image moves in the opposite direction, as when the lens is moved. (This is also true for all other movements.)

#### 2. Shift

"Shift" (sometimes also called "slide") is movement of the lens and/or film horizontally while keeping the lens axis and film plane perpendicular to each other. It is used to move the subject area laterally.



#### 3. Swing

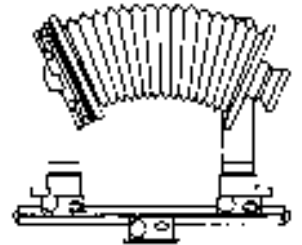
Swing means slanting the lens and/or film holder to the left or right. Unlike with rise, fall and shift, the lens axis and film plane are no longer perpendicular to each other.

Swing is used to correct or deliberately exaggerate distortions in the (horizontal) linear perspective.



#### 4. Tilt

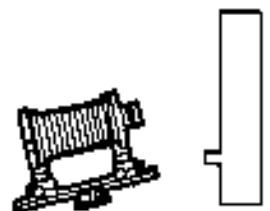
Tilt means slanting the lens and/or film holder upward or downward. In other words, "tilt" does for vertical lines what "swing" does for horizontal lines. Swing and tilt are used to change the depth of field to match the subject, or to compensate perspective lines for correct image size.



Since each of these basic movements can be performed by moving the front and/or back of the camera, there are 16 possible patterns using the four movements. In actual work, a combination of two or more of these movements is often used to obtain the proper effect for each photograph.

### Vertical Perspective Control

Useful when photographing buildings from a low angle. If the camera is pointing upward. . .



and the subject looks like this on the groundglass (converging vertical lines). . . remember, the image will be upside down.



1. Tilt camera back parallel to the face of the subject to correct perspective.
2. Tilt camera front parallel to the back to correct sharpness. Refocus if necessary and . . .

The subject will look like this. The perspective is corrected.



## Horizontal Perspective



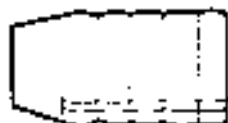
Useful in architectural, still life and product photography. If the camera is pointing at a slight angle to the subject. . . (top view)

And the subject looks like this on the groundglass (converging horizontal lines). . .



1. Swing the camera back parallel to the face of the subject to correct perspective.
2. Swing the front parallel to back to correct sharpness. Re-focus if necessary and . . .

The subject will look like this. The perspective is corrected.



## Vertical Image Placement

Improves composition, eliminates reflections.



If the subject looks like this on the groundglass, or . . .

. . . like this. . .

Use the front rise or fall or . . . use the back rise and fall, and . . .



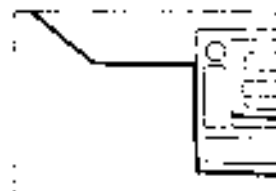
The subject will look like this, properly composed.

## Horizontal Image Placement

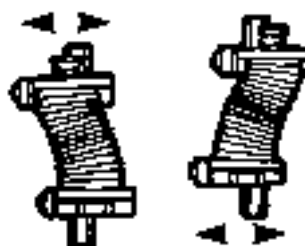
The Horizontal Image Placement is used for the same purposes as Vertical Image Placement



If the subject looks like this on the groundglass, or . . .



. . . like this . . .



Use the front lateral shift or. . .

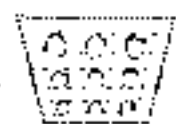
use the back lateral shift, and . . .

The subject will look like this, properly composed.



## Depth-of-Field

To control depth of field with the camera.



To achieve maximum depth-of-field from the front of the subject to the back. . .

Tilt front of the camera forward, and stop down as necessary to achieve desired effect. The swings are used to control depth of field on the left to right subject plane. The swings and tilts on the back of the camera can also be used to control depth-of-field.



# LARGE FORMAT

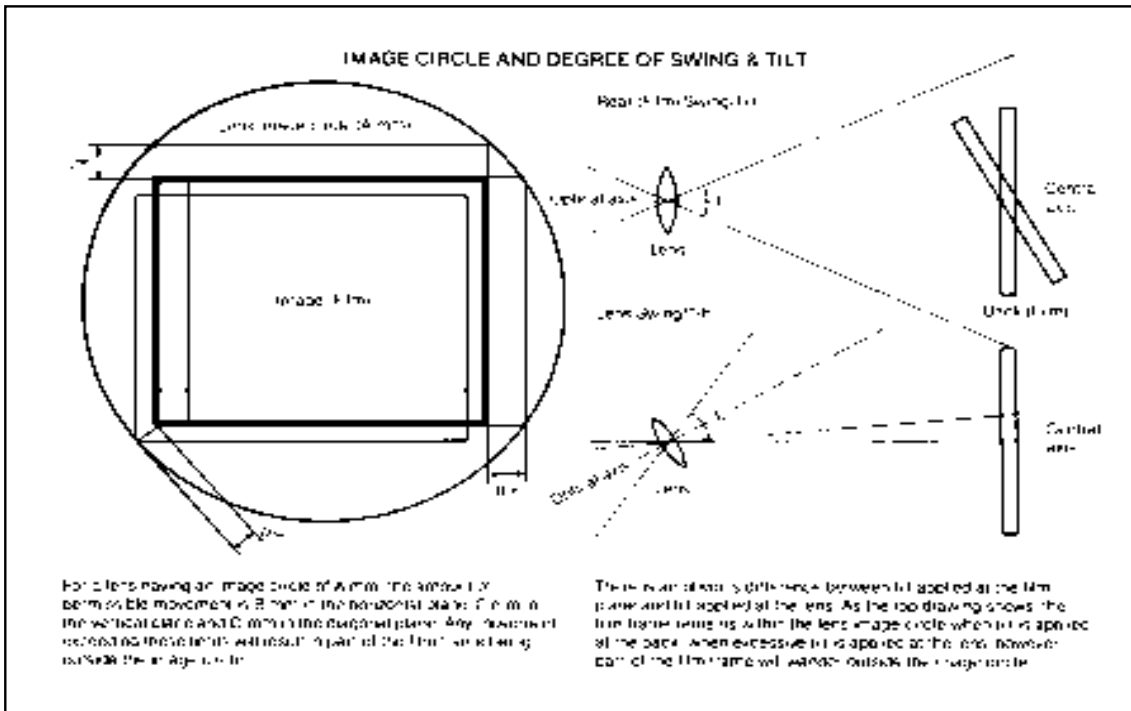
## INTRODUCTION

### Image Circle and Degree of Swing and Tilt

The circular image which a lens projects on the focal plane is called the "image circle." It is brightest in the center, while (with a simple lens) both its quality and brightness deteriorate towards the edges. The image circle determines the lens usable field angle, one of the

In a large format camera with swing and tilt capability, the optical axis of the lens only in rare cases intersects the film plane at its center. When a generous amount of swing and/or tilt is applied, part of the film frame may wander outside the image circle. This means that the

maximum permissible swing/tilt is limited by the size of the image circle. Although the size of the image circle can be enlarged by extending the bellows, using excessive swing or tilt will result in part of the frame being outside the image circle. To prevent this from happening, it is necessary to take into account the lens type, image circle diameter and field angle before setting the degree



characteristics of every lens. The field angle is the angle between a line from the center of the lens to the outermost edge of the image circle, and a line to the center of the circle. This is a unique, fixed lens characteristic that has no relationship to focusing distance or image size. (It does, however, change with the lens aperture.)

The lens minimum image circle is measured at a particular focusing distance, usually at infinity. When a nearby object is focused upon, the lens moves farther from the film plane, and the image circle naturally grows. In simple cameras without swing or tilt, the image circle and the optical axis of the lens always coincide. That means the diagonal of the film frame can, theoretically, be as long as the diameter of the image circle. However, cameras are usually designed with a somewhat smaller film frame to compensate for the loss in brightness toward the edge of the image circle.

of swing or tilt. *Even lenses of identical focal length will have different field angles and image circles if their internal composition differs; telephoto lenses, for example, have a narrower field angle than their focal length would suggest.*

### The Scheimpflug Rule

In order to use camera movements properly, an understanding of the Scheimpflug rule is essential. This is the principle which enables us to form a focused image of the subject even if it is at an angle relative to the camera at wide open aperture. If the subject is at an angle relative to the optical axis of the lens, we can sometimes bring the whole of it into focus by closing down the lens aperture and thus increasing the depth of field.

However, the problem cannot always be corrected sim-



ply by stopping down (see picture on left). A host of related problems can crop up as well, caused by such things as too slow a shutter speed or stopping down the aperture too much (which will cause the picture quality to deteriorate). Such difficulties are frequent when we rely only on small f-stops to solve the problem. By contrast, if we use camera movements based on the Scheimpflug rule, we can bring the whole of an angled subject into perfect focus without stopping down the aperture at all. The Scheimpflug rule states that it is possible to keep in focus all of the subject, provided that the axis formed by its surface, the axis of the camera front and the axis of the camera back all meet in a single point. The Scheimpflug rule is a technique no photographer using camera movements can ignore.

## Close-Ups

Large format cameras permit macro or close-up photography without adding supplementary bellows or extension tubes. Most view cameras can achieve anywhere from a 1:1 magnification with a 210mm lens, up to 4:1 ratio with a 90mm lens. Yet if additional magnification is needed, usually a supplementary bellows can be added, or a shorter focal length lens can be used.

Film exposure with a view camera is the same as that of any other camera, except that the bellows extension (the distance from the center of the lens to the film) and reciprocity failure more often need consideration. As the bellows extension increases, the intensity of the light reaching the film decreases. The formula is as follows:

$$\frac{(\text{bellows length})^2}{(\text{focal length})^2} = \text{exposure factor}$$

Assume that the focal length is six inches (150mm), and the bellows extension is twelve inches. Therefore:

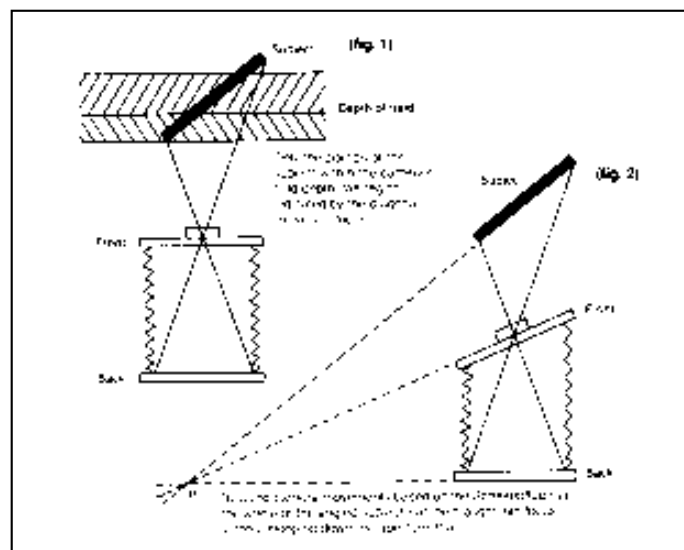
$$\frac{12^2}{6^2} = \frac{144}{36} = 4X$$

The exposure factor is 4x (or two stops), so if the indicated exposure is 1/250 at f/8, use a corrected exposure of 1/60 at f/8, or 1/125 at f/5.6 or 1/250 at f/4.

A simpler way to figure the needed correction is the 50 percent rule: For every 50 percent increase of bellows extension over focal length, increase exposure by one stop.

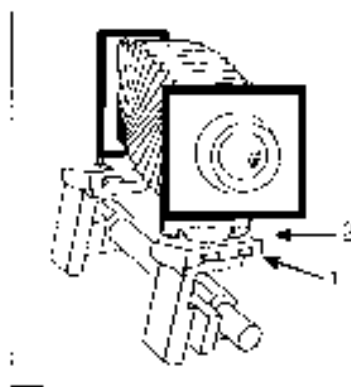
*The table below converts exposure factor into an exposure value for you.*

Exposure Factor	4X	5.6X	8X	11X	16X
Exposure Value	2EV	2.5EV	3EV	3.5EV	4EV



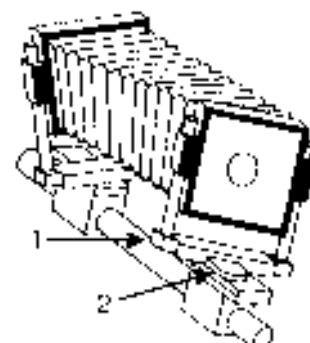
## Yaw-Free

Yaw is defined as the sideways tilting of a standard when swing is applied to the standard after it has been tilted. This results in standards which are not parallel in any axis. A yaw-prone camera requires multiple adjustments to maintain depth-of-field and focus when two or more adjustments are made to the same standard. A yaw-free design allows the photographer to tilt and swing a standard without having the second adjustment negate the benefits of the first.



Whether a camera yaws or not depends on the sequence of the joints. If the joint for tilting about the horizontal axis (1) comes first in the standard block, the camera design is yaw-free.

If, however, the joint for swinging round the vertical axis (2) is located ahead of the joint for tilting round the horizontal axis (1), the camera will be subject to yaw.



# GANDOLFI

## VARIANT 4x5" CAMERAS

FIELD CAMERAS

130

*The Gandolfi Variant 4x5 field cameras from England are truly portable cameras that fold up neatly for field operation. They also offer a variety of sophisticated features for professional work in the studio. Both models are constructed with super stable MDF composite with aluminum and brass hardware, in a professional black finish.*

### FEATURES

- Interchangeable Bellows
- Base and axis tilts on Variant Standard and Deluxe models
- Yaw-free on Standard and Deluxe models
- Rack & pinion front and rear focusing

### Bellows

#### Wide Angle Bellows (1533)

Ideal for wide-angle photography, for maximum camera movements at minimum bellows extension. Suitable for short and ultra short lenses. Folds down to 2" (50mm) and extends to 7" (178mm).

Item # GABB .....279.95

For Lensboards, see Linhof, Wista or Pro Accessories.



Lens not included

Variant Standard  
4x5 Field Camera (1530)  
With long bellows and standard back.  
Item # GAV45 .....1,516.50

Variant Deluxe  
4x5 Field Camera (1531)  
With long bellows and standard back.  
Item # GAV45K .....1,794.95

Variant Standard  
4x5 Field Camera (1530)  
With long bellows and revolving back.  
Item # GAV45Q .....1,948.50

Variant Deluxe  
4x5 Field Camera (1531)  
With long bellows and revolving back.  
Item # GAV45KQ .....2,128.50

## VARIANT STANDARD AND DELUXE

### TILTS:

Variant Standard:  
Front: 50° + 50% Axis;  
Rear: 50° + 20% Axis

Variant Deluxe:  
Front: 50° + 50% Axis;  
Rear: 50° + 20% Axis

### SWINGS:

Variant Standard:  
Front: 50°, Rear: 23°

Variant Deluxe:  
Front: 50°, Rear: 23°

### RISE & FALL (COMBINED):

Variant Standard:  
Front: 2 3/4" (70mm)

Variant Deluxe:  
Front: 2 3/4" (70mm),  
Rear: 1.38" (35mm)

### LATERAL SHIFT:

Variant Standard:  
Front: 2" (51mm)

Variant Deluxe:  
Front: 2" (51mm),  
Rear: 2" (51mm)

### CAMERA BACK:

Variant Standard:  
International Standard 4x5  
Quick Change back;

Variant Deluxe:  
International 4x5  
quick change back

### FOCUSING SCREEN:

Variant Standard:  
Groundglass with Grid Lines

Variant Deluxe:  
Groundglass with Grid Lines

### INTERCHANGEABLE BELLOWS:

Variant Standard: Yes;  
Variant Deluxe: Yes

### MINIMUM BELLOWS DRAW:

Variant Standard:  
2 3/4" (73mm);

Variant Deluxe:  
3 1/8" (81mm)

### MAXIMUM EXTENSION:

Variant Standard:  
19" (482mm);

Variant Deluxe:  
19" (482mm)

### YAW-FREE BASE TILT:

Variant Standard: Yes;  
Variant Deluxe: Yes

### LENSBOARD:

Variant Standard:  
Technika Wista type;

Variant Deluxe:  
Technika Wista type

### DIMENSIONS LWD:

Variant Standard:  
9.8 x 9.8 x 6"  
(249 x 250 x 150mm);

Variant Deluxe:  
9.8 x 9.8 x 6"  
(249 x 250 x 150mm)

### WEIGHT:

Variant Standard:  
7.5 lbs. (3.4kg);

Variant Deluxe:  
8.8 lbs. (4kg)

Subject to change without notice

# HORSEMAN

## VH 6 x 9 cm FIELD SYSTEM

*For over 50 years, Horseman has been producing the world's finest metal body field cameras. The VH is the culmination of many years of popular predecessors. The lack of a rangefinder reflects on the growing trend towards tripod versus hand-held use. The VH is a genuine technical camera, based on the 6x9cm format, which is easily adaptable to formats from 6x7cm to 4x5" by choosing from among the wide range of Horseman accessories. High precision engineering permits a variety of swing and tilt functions, as well as close-up and macro photography to be performed with ease. The lightweight Horseman VH is eminently suitable for field work. As focusing is done on the groundglass screen, exact picture composition in landscape work, for example, can be easily achieved. The Horseman VH - a versatile system for the mobile photographer.*



Horseman  
VH Camera  
(11102) lens  
and lensboard  
not included

FIELD CAMERAS

131

### FEATURES

- 6x9 format, adaptable to 6x6, 6x7, 6x12cm and 4x5"
- 90° revolving back for greater efficiency
- Rear tilts and swings for perspective control
- All machined parts with adjustable infinity stops for quick set up
- Small, light and compact
- Front tilts and swings for extending depth-of-field in landscape situations
- Rise, fall and shift for image alignment
- Leather-like finish
- Right and left focusing knobs
- Extendible bellows for high resolution macro and repro work
- All metal body

VH Camera (11102)  
Complete with groundglass screen, folding focusing hood, revolving back and handstrap.  
Item # HOVH .....2,069.00

### VH SPECIFICATIONS

**TILTS:**  
Front: 25°; Rear: 11°

**SWINGS:**  
Front: 30°; Rear: 10°

**RISE & FALL (COMBINED):**  
Front: 1.1" (28mm)  
+ 15° Bed Drop

**LATERAL SHIFT:**  
1.2" (30mm)

**CAMERA BACK:**  
Revolving Back  
accepts Standard 6x9  
Cut Film Holders  
and Rollfilm Holders

**FOCUSING SCREEN:**  
6x9 Groundglass with  
10mm Grid Lines

**MINIMUM BELLOWS  
DRAW:**  
50mm

**MAXIMUM EXTENSION:**  
Front: 9.8" (249mm);  
Rear: + .9" (23mm)

**TRACK LENGTH  
(EXTENSION):**  
2.8" (72mm)

**LENSBOARD:**  
80 x 80mm Horseman  
Technical Type

**FOLDED DIMENSIONS:**  
6.2 x 6.3 x 3.8"  
(157 x 160 x 97mm)

**WEIGHT:**  
3.7 lbs. (1.7kg)

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

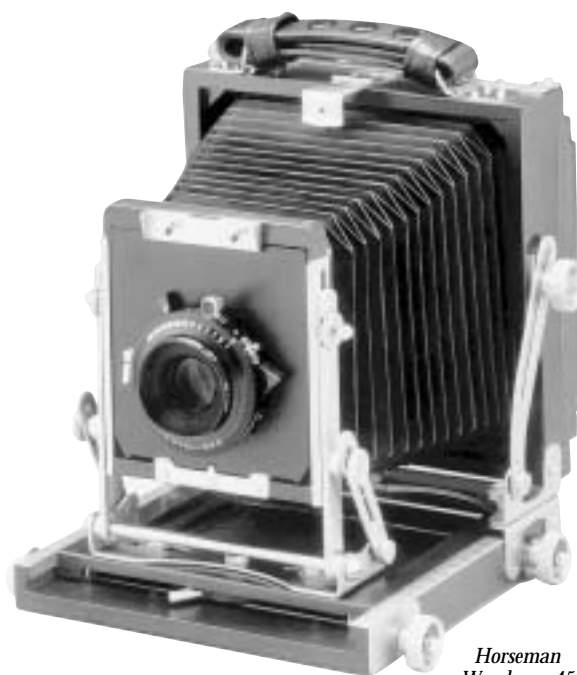
# HORSEMAN

## WOODMAN 45 4x5" FIELD CAMERA

FIELD CAMERAS

132

*Horseman, renowned for its metal body field cameras, is proud to introduce its first wooden body camera, the affordable Woodman 45. Combining the beauty and warmth of a hand-crafted wooden body with the technical movements of view camera, the Woodman 45 is appropriate for many field applications. Constructed entirely of cherry wood, to ensure strength and beauty, it will eliminate the possibilities of warping. The hardware has a satin chrome finish, with skillfully joined corners, which combine to give the Woodman beauty and life-time durability. The compact, easy-to-set-up body, accepts Linhof standard lens panels that give you a tremendous choice of lenses — from wide-angle to telescopic. Plus, full swing and tilt functions meet all artistic demands.*



Horseman  
Woodman 45  
(27191)

### FEATURES

- Beautifully finished cherrywood body
- Lightweight construction. Weighs just 3.2 lbs. (1.45kg)
- Focusing knobs both on right and left hand sides
- Folds to a very compact package
- Accepts Wista or Linhof type lensboards
- Accepts Horseman 6x7, 6x9 and 6x12 rollfilm holders, as well as other international accessories
- Includes convenient carrying strap

Woodman 45 Camera (27191)

With standard grid screen.

Item # HOWM45 .....1,079.00

### Linhof-Wista Compatible Metal Lens Boards

Lens Panel  
Drilled for #0 (27621)  
Item # HOLB0L.....49.95

Lens Panel  
Drilled for #3 (27623)  
Item # HOLB3L.....49.95

Lens Panel  
Drilled for #1 (27622)  
Item # HOLB1L.....49.95

Lens Panel Adapter (27625)  
Accepts Horseman 80 x  
80mm mounted lensboards.  
Item # HOLB8SL.....319.95

### WOODMAN 45 SPECIFICATIONS

**TILTS:**  
Front: 50°; Rear: 40°

**SWINGS:**  
Front: 20°; Rear: 20°

**RISE & FALL (COMBINED):**  
Front: 2.4" (60mm)

**LATERAL SHIFT:**  
Front: 0.8" (20mm)

**CAMERA BACK:**  
International 4x5 Standard  
4-way Changeover

**MINIMUM BELLOWS  
DRAW:**  
1.7" (45mm)

**MAXIMUM EXTENSION:**  
12.4" (315mm)

**TRACK LENGTH**  
12.4" (315mm)

**MOVEMENTS:**  
Geared Track

**LENS:**  
Accepts all Lenses in #0, #1  
and #3 Shutters

**LENSBOARD:**  
96 x 99mm, Linhof  
Technika or Wista type

**FOLDED DIMENSIONS:**  
7.9 x 8 x 3.3"  
(200 x 205 x 85mm) HWD

**WEIGHT:**  
3.2 lbs. (1.45kg)  
*Subject to change without notice*



# HORSEMAN

## 45HD 4x5" FIELD SYSTEM

*The Horseman 45HD is the latest edition to Horseman's comprehensive range of large format technical cameras. This heavy duty 4x5" field camera is fully compatible with international standard film holders, as well as with all Horseman components and accessories. The Horseman 45HD takes into consideration the needs of professional photographers whose work includes strenuous field assignments. It offers simplified handling, rugged shock protection, and competitive pricing, which is well below that of many wooden cameras. And despite its heavy duty construction, the 45HD weighs only 1.7 kg., making it ideally suited to dynamic field work. Being so light, it can be mounted on a tripod for even greater total weight savings.*



Horseman  
45HD Camera (21105).  
Lens and lensboard not  
included

FIELD CAMERAS

133

### FEATURES

- Rugged, synthetic housing provides additional protection
- Advanced "flip top" permits full rise with wide angle lenses
- Weighs only 1.7 kg (under 4 lbs.)
- Compatible with all Horseman accessories
- High-precision 4x5 compact field camera
- Quick change of vertical/horizontal setting
- Comes with one set of infinity stops
- Focusing lock lever
- Leatherette hand strap can be moved to either side of the camera body
- Focusing is possible on both sides of the camera body
- Great for students or hobbyists
- Shock-protected for rugged field work
- No assembly! Simply snap open and shoot.

Horseman  
45HD Camera (21105)  
Complete with:  
Groundglass, vertical/hori-  
zontal camera back and strap.  
Item # HO45HD.....1,980.00

### 45HD SPECIFICATIONS

#### TILTS:

Front: 25°

#### SWINGS:

Front: 30°

#### RISE & FALL (COMBINED):

Front: 1.1" (28mm)  
+ 15° Bed Drop

#### LATERAL SHIFT:

Front: 1.2" (30mm)

#### CAMERA BACK:

Quick Change  
Vertical/Horizontal Back  
accepts Int'l Standard 4x5

#### FOCUSING SCREEN:

4x5 Groundglass with 10mm  
Grid Lines

#### MINIMUM BELLOWS

DRAW:  
Minimum 60mm

#### MAXIMUM

#### EXTENSION:

Front: 9.8" (249mm);

#### TRACK LENGTH

#### (EXTENSION):

2.8" (72mm)

#### LENSBOARD:

80 x 80mm Horseman  
Technical type

#### FOLDED DIMENSIONS:

6.8 x 6.5 x 3.8"  
(173 x 164 x 97mm)

#### WEIGHT:

4.4 lbs. (2kg)

Subject to change without notice



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# HORSEMAN

## 45FA 4x5" FIELD SYSTEM

*Built of rugged, aircraft quality aluminum, the FA weighs only 2 kg. (4.4 lbs.). Combining full front movements with rear tilts and swings, the 45FA is suited to both landscape and industrial photography. In addition, its finely pleated bellows allows the use of lenses as short as 65mm. To switch from horizontal to vertical shooting is effortless, thanks to a removable back. The pop-up folding focusing hood combined with the included fresnel screen enables the photographer to focus without a dark cloth, even in daylight conditions.*



Horseman 45FA  
Camera (21104)  
lens and  
lensboard not  
included

### FEATURES

- High-precision 4x5 compact field camera
- Tough and durable construction to survive even rugged field conditions
- Full range of camera movements
- Quick change of vertical/horizontal setting
- Built-in spirit level
- Three tripod sockets allow flexibility in mounting
- Comes with three sets of infinity stops
- Has reversible focusing scale which covers six different focal lengths of lenses
- Features rear and tilt swings
- All machined parts with adjustable infinity stops for quick set up
- Hand strap can be moved to either side of the camera body
- Focusing lock lever
- Focusing is possible on both sides of the camera body
- Leather-like finish
- All metal body

45FA Camera (21104)  
Complete with groundglass, fresnel lens, folding focusing hood, vertical/horizontal camera back and strap.  
Item # HO45FA.....2,695.00

### 45FA SPECIFICATIONS

**TILTS:**  
Front: 25°; Rear: 10°

**SWINGS:**  
Front: 30°; Rear: 11°

**RISE & FALL (COMBINED):**  
Front: 1.1" (28mm)  
+ 15° Bed Drop

**LATERAL SHIFT:**  
Front: 1.2" (30mm)

**CAMERA BACK:**  
Quick Change  
Vertical/Horizontal Back  
accepts International  
Standard 4x5

**FOCUSING SCREEN:**  
4x5 Groundglass with 10mm  
Grid Lines

**MINIMUM BELLOWS  
DRAW:**  
Minimum 60mm

**MAXIMUM EXTENSION:**  
Front: 9.8" (249mm);  
Rear: + .9" (23mm)

**TRACK LENGTH  
(EXTENSION):**  
2.8" (72mm)

**LENSBOARD:**  
80 x 80mm Horseman  
Technical type

**FOLDED DIMENSIONS:**  
6.8 x 6.5 x 3.8"  
(173 x 164 x 97mm)

**WEIGHT:**  
4.4 lbs. (2kg)

*Subject to change without notice*

# H O R S E M A N

## V H , H D , F A S Y S T E M



### BODY ACCESSORIES

#### Quick Shoe with Camera Adapter (27564)

For quick, secure mounting of camera on the tripod. Simply attach shoe to tripod, adapter to camera, then slide shoe into adapter until it locks in place. The shoe has spring-loaded stopper pins at both ends to secure the camera, even when it is not yet properly locked in place. The two spring-loaded guide pins on the adapter determine the positioning of Horseman field cameras.

**Item # HOQS .....294.95**



Quick Shoe with Camera Adapter (27564)

#### Quick Shoe Adapter (27565)

When attached to the camera, the Quick Shoe Adapter permits quick slide-in/slide-out mounting on tripods equipped with a Quick Shoe. (Replacement.)

**Item # HOQSA .....69.95**

#### Flashgun Clamps (38mm) (25661)

When mounting electronic heavy duty flash unit, use clamps to attach strobelight or flashgun (grip type) to Horseman camera.

**Item # HOFGC38 .....79.95**

#### Hand Strap (27841)

For sturdier hand holding of 45FA.

**Item # HOSHER1 .....49.95**

#### Hand Strap (27823)

For sturdier hand holding of VH and VH-R.

**Item # HOSHVH .....39.95**

#### Extension Adapter (22521)

For 45FA or HD for using long focal lenses up to 720mm..

**Item # HOEA45FA .....1,494.95**



### VIEWING ACCESSORIES

#### Wide Angle

##### 6x9 Grid Pattern

Groundglass (27833)

10mm grid pattern on groundglass gives critical correction of vertical/horizontal lines. (Replacement.)

**Item # HOGGG69 .....36.95**

##### 6x9 Goundglass (27832)

(Replacement.)

**Item # HOGG69 .....34.95**

##### 6x9 Fresnel Screen Kit (27835)

Fresnel lens offers a brighter viewing area for judging camera movements and focusing. The fresnel snaps easily into place over the groundglass. Includes mounting hardware.

**Item # HOF69K .....29.95**

##### 6x9 Fresnel Lens (27834)

Fresnel lens only.

**Item # HOF69 .....24.95**

##### 4x5 Groundglass (23891)

(Replacement.)

**Item # HOGGG45 .....49.95**

##### 4x5 Fresnel Lens (23892)

Fresnel lens only.

**Item # HOF45 .....79.95**

##### Snap-On

Fresnel Attachment (23831)

Attachment for fresnel lens.

Snaps easily on and off groundglass, magnetically.

**Item # HOFA .....79.95**

##### 4x5 Aerial Image

Focusing Screen (24593)

For microscopic and extreme low-light photography.

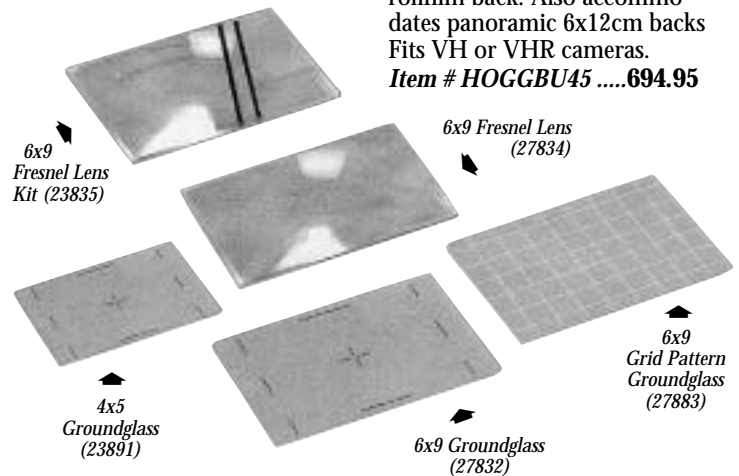
**Item # HOGGAI45 .....249.95**

##### 4x5 Universal

Groundglass Back (22511)

Upgrades 6x9 cameras to 4x5 format. Attaches as easily as a rollfilm back. Also accommodates panoramic 6x12cm backs. Fits VH or VHR cameras.

**Item # HOGGBU45 .....694.95**



#### Focusing Hoods

##### 6x9 Angle Viewer (22551)

Right-side-up viewer for outdoor use. Shuts out stray light. Rotating eyepiece angled 70° against optical axis for comfortable viewing in natural position. Approximately 2x magnification of screen image.

**Item # HOAV69 .....324.95**

6x9 Angle Viewer (22551)



##### 4x5 Binocular

Direct Viewer (23547)

The 4x5 Binocular Direct Viewer is ideal for clear observation of image on the groundglass screen, even in bright lighting or outside under the sun. The image of the groundglass screen is observed through +3 dioptic magnified glasses. The bellows' flexibility offers a desired viewing angle.

**Item # HOBDV .....609.00**

##### 4x5 Folding

Binocular Reflex Viewer (23543)

Gives viewer two right-side up corrected image. Folds into a small, easily portable unit.

Usable in the field, as well as in the studio. Made of sturdy, yet light synthetic material.

Accurate mirror angle adjustment by Horseman's unique, smooth helicoid drive. Mounts on Horseman standard, as well as 14 x 14cm standard cameras.

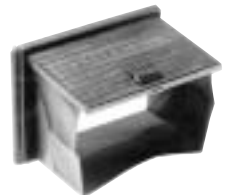
**Item # HOBRV .....849.00**

##### 4x5 Folding Focusing Hood (23542)

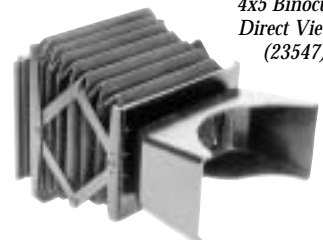
For easier focusing outdoors. Folds together for convenient carrying and storage. Easily snaps on and off frame which attaches it to the groundglass.

**Item # HOFH45 .....194.95**

Folding Focusing Hood (23542)



4x5 Binocular Direct Viewer (23547)



# HORSEMAN

VH, HD, FA SYSTEM

FIELD CAMERAS

136



## VIEWING ACCESSORIES, *continued*

### Miscellaneous Viewing

#### Precision Magnifier (4x) (25612)

A superbly designed magnifier with focus adjustment and edge to edge flat field over its large diameter (55mm) field. An especially valuable tool for examining negatives, prints, etc.

**Item # HOM4X.....214.95**



*Universal Zoom Finder 69 (21501)*

#### Universal Zoom

##### Finder 45 (4x5") (21502)

Same as Zoom Finder 69, but with a format mask 4x5 for use with lenses of a focal length of 90-400mm.

**Item # HOZF45.....899.00**

##### Format Mask 6x9 (21701)

**Item # HOMZF69.....294.95**

##### Format Mask 4x5 (21702)

**Item # HOMZF45.....294.95**

#### Photo Angle Finder (25615)

Measures relative angle between film plane and object, or angle against perpendicular of object itself. For accurate swing/tilt operations. Features oil damped indicator needle.

**Item # HOFPA.....Disc**

#### Universal Zoom Finder 69 (6x9cm) (21501)

Can be used either attached to a camera for hand-held shooting, or separately. By using the Universal Zoom Finder to compose the subject and the zooming knob to determine the focal lengths of the lenses you wish to use, you can avoid moving the camera about and changing lenses unnecessarily. Suitable for use with lenses with a focal length of 65-300mm.

**Item # HOZF69.....849.95**

*Assorted Horseman 4x5 and 6x9 film backs*



## BACK ACCESSORIES

### 6x9 Film Backs

Horseman provides four types of rollfilm holders in 6x7 and 6x9cm formats, for 120 and 220 rollfilm, respectively. Every Horseman rollfilm holder features smooth, positive film transport, maintains "Film Plane" surface and eliminates interior light reflections. Horseman film holders are easy to use. They are professionally designed and built to the highest quality standards.

#### Rollfilm Holder 1 (22401)

6x9cm. 8 exposures on 120 rollfilm.

**Item # HOFB69120VH...399.00**

#### Rollfilm Holder 2 (22402)

6x7cm. 10 exposures on 120 rollfilm.

**Item # HOFB67120VH...399.00**

#### Rollfilm Holder 3 (22403)

6x9cm. 16 exp. on 220 rollfilm.

**Item # HOFB69220VH...399.00**

#### Rollfilm Holder 4 (22404)

6x7cm. 20 exp. on 220 rollfilm.

**Item # HOFB67220VH...399.00**

#### Sheet Film Holder

(6x9cm) (22481)

For times when only one or two shots are needed. Double exposure prevention.

**Item # HOFH69.....84.95**

#### 6x9 Polaroid Film Back (22471)

For instant preview shots.

Supplied "G" spacer permits focusing on groundglass.

RF spacer for rangefinder coupling of model VH-R.

**Item # HOFBPVH.....375.00**

#### Groundglass Back for Polaroid Photography (22573)

Allows you to use the 6x9 Polaroid back with a Rotary Back. Keeps the same film plane as the Polaroid film.

**Item # HOGGBP.....98.95**

#### P-Adapter for Rollfilm Holder (22572)

To obtain the same film plane as the 6x9 Polaroid Film Back, use the P-Adapter on the rollfilm holder.

**Item # HOPA.....224.95**

### 4x5 Film Backs

Film backs for 4x5" cameras feature ratchet advance and automatic counter resetting. There are backs for 120 and 220 film and a 6x12 for panoramic photography. They are designed to fit all 4x5" cameras that follow the accepted international standard.

#### Rollfilm Holder 451 (22451)

6x9cm. 8 exposures on 120 rollfilm.

**Item # HOFB6912045...469.00**

#### Rollfilm Holder 452 (22452)

6x7cm. 10 exposures on 120 rollfilm.

**Item # HOFB6712045...469.00**

#### Rollfilm Holder 453 (22453)

6x9cm. 16 exposures on 220 rollfilm.

**Item # HOFB6922045...469.00**

#### Rollfilm Holder 454 (22454)

6x7cm. 20 exposures on 220 rollfilm.

**Item # HOFB6722045...469.00**

#### Rollfilm Holder 612 (22461)

6x12cm. 6 exposures on 120 rollfilm.

**Item # HOFB61245.....849.00**

#### Format Mask Set (23870)

For 6x7, 6x9 and 6x12cm. rollfilm. Supplied as a set.

**Item # HOFMS.....29.95**

**Overnight Shipping Available**



# HORSEMAN

## VH, HD, FA SYSTEM



### BACK ACCESSORIES, *continued*

#### Rotary Backs

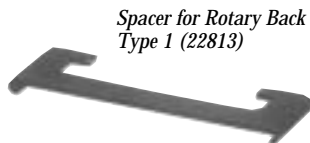
For quick changeover of rollfilm holder and groundglass, mount screen and film holder side by side on a circular, rotating camera back. Compose and focus on the screen, then simply rotate the back through 180° in a single motion. Efficiency will be greatly improved. The built-in exposure prevention permits the back to be rotated without insertion of the dark slide.

**Rotary Back Type 1** (22501)  
For VH and VH-R with 6x9cm fitting plate. Use groundglass back for the camera bodies. Cannot be used with 65mm and 70mm lenses.  
**Item # HORB1 .....664.95**



*Rotary Back Type 2 (22502)*

**Rotary Back Type 2** (22502)  
Fits all international standard 4x5" cameras. For 6x7 and 6x9cm photography. Supplied with groundglass back.  
**Item # HORB2 .....794.50**



*Spacer for Rotary Back Type 1 (22813)*

**Spacer for Rotary Back Type 1** (22813)  
Due to the thickness of the Rotary Back Type 1, the film plane is 25mm further back than normal, which requires lens readjustments. This spacer compensates for this difference, permitting easy focusing to infinity.  
**Item # HORB1S .....14.95**

#### Exposure Meters

TTL meters for average, full-area measuring on the film plane. Read-out of film surface value with immediate computation of shutter speed or aperture setting. Fits cameras like a sheet film holder. No need to calculate bellows factor for close-ups, or to consider any other effect on the exposure caused by the movements or filter usage.



*Exposure Meter 69 (04301)*

**Exposure Meter 69** (04301)  
Full area measuring on the entire 6 x 9cm format. For VH, VH-R, Rotary Back and 6x9 Reducing Back.  
**Item # HOM69 .....659.00**

**Soft Case** (25671)  
For Exposure Meter 69. Made from synthetic leather.  
**Item # HOCSM.....49.95**

**4x5" Adapter** (24645)  
For Exposure Meter 69. Measures 6 x 9cm area on the 4 x 5" format when mounted.  
**Item # HO45AM69 .....149.95**

**Exposure Meter 45** (04311)  
Full area measuring on the entire 4x5" format. The meter face can be rotated with click spots at 45°, to be readable from any direction. Battery supplied. For all 4x5" cameras.  
**Item # HOM45 .....945.00**

**Hard Case** (25675)  
For Exposure Meter 45.  
**Item # HOCHM.....74.95**

**6.2v Spare Battery** (25837)  
For Exposure Meters.  
**Item # HOBQ .....22.50**



### FRONT ACCESSORIES

#### Lensboards and Adapter Lensboards

**Blank Field Lensboard** (25655)  
For drilling one's own lens opening.  
**Item # HOLBBF .....74.95**

**#0 Field Lensboard** (25656)  
Accepts all #0 size shutters.  
**Item # HOLB0F.....84.95**

**#0 Field Lensboard with C1 Ring** (25651)  
The shutter is mounted forward of the panel surface, improving operability with a #0 shutter.  
**Item # HOLBC0RF .....94.95**

**#1 Field Lensboard with C1 Ring** (25657)  
For mounting Copal #1 shutters. The C-ring (spacer) moves the shutter a bit forward from the panel for smoother operation.  
**Item # HOLBC1RF .....94.95**

*For Woodman lensboards, see Woodman camera*



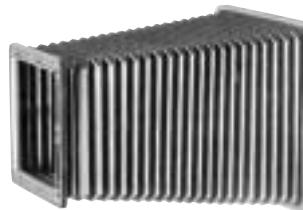
*#1 Field Lensboard for Telephoto (25658)*

**#0 Field Lensboard for Telephoto** (25652)  
Cone shaped extension for 360 and 400mm lenses.  
**Item # HOLBT0F .....124.95**

**#1 Field Lensboard for Telephoto** (25658)  
Cone shaped extension for telephoto lenses.  
**Item # HOLBT1F .....124.95**

**Linhof to Horseman Field Adapter Board** (25659)  
Fits Linhof or Woodman mounted lenses onto adapter board.  
**Item # HOLBALF.....494.95**

#### Bellows



**Bellows VH** (27825)  
Also for VH-R. (Replacement.)  
**Item # HOBVH .....99.95**

**Bellows 45FA** (27828)  
(Replacement.)  
**Item # HOB45FA .....109.95**



### CASES

**Field Carrying Case** (25669)  
Camera bag, with shoulder strap, made of lightweight, water repellent, cushioned Cordura nylon.  
**Item # HOCF .....238.95**

**Lens Case (S)** (25673)  
Genuine leather case for ER 75, 90, 105, 120 and 150mm lenses.  
**Item # HOLCS .....59.95**

*Lens Case (S) (25673)*



**Lens Case (L)** (25674)  
Genuine leather case for ER 65 and 180mm lenses.  
**Item # HOLCL .....64.95**

*For more accessories, see Horseman View Camera accessories.*

# L I N H O F

## SUPER TECHNIKA 23 2¼ x 3¼" SYSTEM

FIELD CAMERAS

138

*The Technika is a superior technical camera which is respected for its outstanding design. It is considered to be the most universal and compact precision large format system for both location and studio shooting. It is a technical baseboard camera with sturdy die-cast body and lift-up flap on top of the camera body for increased wide-angle efficiency. Built-in coupled precision long-base dichroic range-finder, triple drop bed extension, detachable quick-change swing back with revolving frame, grid groundglass and removable focusing hood. Fold-up infinity stops and interchangeable distance scales for each coupled lens, tricam coupling disc for three lengths.*



*Super Technika 23 (000037)  
shown with optional  
Multifocus Finder (001388)  
and Left Hand Grip (002512)  
shown with optional lens and  
lensboard*

### FEATURES

- Compact, light-weight, sturdy die-cast body
- 6x9 format, adaptable to 6x6 and 6x7
- Complete freedom with swing and tilts on both front and rear
- Groundglass or rangefinder focusing offers choice of hand-held or tripod use
- The smallest all-around technical camera
- Rangefinder coupled lenses
- Optional optical multi-focus finder allows the photographer quick handheld shooting
- Quick change revolving frame allows both horizontal and vertical images
- Optional anatomical left-hand or right-hand grip
- No assembly! Snap open, and shoot!

Super Technika 23  
Body (000037)  
With folding focusing hood and  
groundglass grid screen.  
Item # LIST23 .....6,895.00

### SUPER TECHNIKA 23 SPECIFICATIONS

#### TILTS:

Front: 30°; Rear: 15°

#### SWINGS:

Front: 15°; Rear: 15°

#### RISE & FALL (COMBINED):

Front: 1.3" (32mm)  
+ 15° Bed Drop;

Rear: -

#### LATERAL SHIFT:

Front: 2" (50mm);  
Rear: -

#### CAMERA BACK:

Revolving Back accepts  
Standard 6x9 Cut Film  
Holders, Super Rollex and  
Cine Rollex rollfilm Backs

#### FOCUSING SCREEN:

6x9 Groundglass  
with Grid Lines

#### MINIMUM BELLOWS DRAW:

47mm

#### MAXIMUM EXTENSION: 11.8" (300mm)

#### LENSES:

58-180mm can be  
Rangefinder Coupled.  
210, 270 and 360mm lenses  
can be infinity-adjusted for  
groundglass focusing.  
Diameter of Front Standard  
opening is 62mm.

#### LENSBOARD:

Linhof Technika 23  
Lensboards 74 x 81mm

#### FOLDED DIMENSIONS:

7 x 5.5 x 3.5"  
(17 x 14 x 9cm)

#### WEIGHT:

4 lbs. (1.8kg)

*Subject to change without notice*

**We Ship Worldwide**

# L I N H O F

## MASTER TECHNIKA 4x5" SYSTEM

*Technical baseboard camera with sturdy die-cast body that closes to extremely compact dimensions. The ideal large format system for handheld rangefinder-focused action shots, and for deliberately composed studio or location subjects. Built-in coupled precision long-base dichroic rangefinder, triple drop bed extension, lift lever for standard rise, universal spring back with revolving swing frame, including grid groundglass and focusing hood. Lift-up flap on top of camera housing for increased wide-angle efficiency. Easily interchangeable scale stage for three each distance scales to match rangefinder- coupled lens. Removable finder shoe and additional tripod socket on top for positioning the camera upside down for extreme lens drop.*



Master Technika (000054)  
shown with optional  
Multifocus Finder  
(001378) and Left  
Hand Grip (002549)  
shown with optional  
lens and  
lensboard

FIELD CAMERAS

139

### FEATURES

- **Extra tripod socket allows mounting camera upside down**
  - **Built-in triple extension allows magnification of 12:1**
  - **Optional optical multi-focus finder allows quick handheld shooting**
  - **Groundglass or rangefinder focusing**
  - **Revolving back for horizontal/vertical images**
  - **Omnidirectional swing back for perspective corrections and depth-of-field control**
- Original Classic Master Technika 4x5 (000054)  
With wrist loop, folding focusing hood and groundglass grid screen.  
Item # LIMT45.....**4,995.00**
- Master Technika 4x5 Black Limited Edition (000054B)  
With wrist loop, folding focusing hood and groundglass grid screen.  
Item # LIMT45BLE..**3,999.00**
- Master Technika 4x5 Kit  
Consists of Master Technika 4x5 Black Limited Edition (000054B), a Rodenstock 150mm f/5.6 cammed and mounted on a Linhof lensboard.  
Item # LIMT45BLEK.....**4,899.00**

### MASTER TECHNIKA SPECIFICATIONS

#### TILTS:

Front: 60°; Rear: 36°

#### SWINGS:

Front: 30°; Rear: 36°

#### RISE & FALL (COMBINED):

Front: 2.2" (55mm)  
+ 15° and 30° Bed Drop  
Rear: 40°

#### LATERAL SHIFT:

Front: 3" (78mm)

#### CAMERA BACK:

International Standard  
4x5 Revolving Back

#### FOCUSING SCREEN:

4x5 Groundglass  
with Grid Lines

#### MINIMUM BELLOWS DRAW:

65mm

#### MAXIMUM EXTENSION:

Front: 15.7" (400mm)  
Back: + 1.4" (35mm)

#### LENSES:

75-360mm (Tele) can be rangefinder-coupled, other focal lengths and Imagon lenses groundglass focusing only, 58/65mm extreme wide-angle lenses (no displacements) require focusing adapter 002555. Front standard accepts all lenses with a maximum rear diameter of 83mm.

#### LENSBOARD:

Linhof Technika 45  
Lensboard 96 x 99mm

#### FOLDED DIMENSIONS:

8 x 7 x 4.5"  
(20 x 18 x 11cm)

#### WEIGHT:

6 lbs. (2.6kg)

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# L I N H O F

## MASTER TECHNIKA 2000 4x5" SYSTEM

FIELD CAMERAS

140

*The Master Technika 2000 is the first large format baseboard camera that offers the option of adding a separate electronic range/viewfinder module. This system remains the classic tool for the creative and technical photographer, offering a full range of adjustments for perspective corrections and depth-of-field control with convenient groundglass observation. It also features a focusing track inside the camera housing for increased wide angle efficiency, which permits convenient and positive focusing of even the shortest wide angle lenses with the aid of a fingertip-controlled focusing lever.*



Master Technika 2000  
(000120)  
shown with  
optional lens,  
lensboard and EMS  
Module viewfinder  
(001350)

### FEATURES

- **Integrated wide angle focus track for extreme wide angle lenses**
- **Optional EMS process computer provides electronic range/viewfinder control for handheld action shots without interfering with mechanical features and the full range of movements**
- **LCD provides focusing information on EMS module**
- **Dropped struts with notches for 15° and 30° drop for wide angle shots**
- **Front standard accepts lenses from 45 to 500mm**
- **Revolving back**
- **Master Technika 2000 (000120)**  
With built-in wide-angle focusing track, revolving groundglass back, cm-grid groundglass, and folding focusing hood.  
**Item # LIMT200045..5,795.00**
- **Optional left-hand or right-hand grip**
- **No assembly! Snap open, and shoot!**

**EMS Module for Master Technika 2000 (001350)**  
Opto-electronic range/viewfinder system attaches to the Linhof Master Technika 2000 body. Suitable for lenses from 90 to 300mm with memory for 10 focal lengths, pre-programmed format delineations from 6x6cm to 4x5". Automatic sensing of horizontal/vertical image orientation.  
**Item # LIFMT200045 .....4,821.95**

### MASTER TECHNIKA 2000 SPECIFICATIONS

#### TILTS:

Front: 60°; Rear: 40°

#### SWINGS:

Front: 30°; Rear: 40°

#### RISE & FALL (COMBINED):

Front: 2.2" (55mm)  
+ 15° and 30° Bed Drop

#### LATERAL SHIFT:

Front: 1.6" (40mm)

#### CAMERA BACK:

International Standard  
4x5 Revolving Back

#### FOCUSING SCREEN:

4x5 Groundglass  
with Grid Lines

#### MINIMUM BELLOWS DRAW:

65mm (on bed rail)

#### MAXIMUM EXTENSION:

Front: 16.9" (430mm)  
Back: + 1.4" (35mm)

#### LENSES:

47mm to 300mm with groundglass viewing. With the optional EMS module it accepts 90 mm to 300mm with memory for 10 focal lengths, pre-programmed format delineations from 6x6cm to 4x5", with automatic sensing of horizontal and vertical image orientation.

#### LENSBOARD:

Linhof Technika 45  
Lensboard 96 x 99mm

#### FOLDED DIMENSIONS:

Master Technika 2000:  
7 x 7 x 4.3"  
(18 x 18 x 11cm)

EMS Module:  
6.3 x 3.3 x 2.75"  
(16 x 8.5 x 7cm)

#### WEIGHT:

Body only:  
5.6 lbs. (2550g)

With module:  
7.4 lbs. (3350g)

*Subject to change without notice*







### VIEWFINDERS

#### Multifocus Optical Viewfinder

A truly versatile accessory which not only determines with accuracy the selected picture area, but can also be used to determine the focal length if the location is already known. The photographer can use the viewfinder by itself to establish the focal length and selected picture area by turning the focal length ring. The Multifocus Optical Viewfinder is also used to determine the correct place for the camera. If focal length and image field have already been determined, it is easy to find the correct place for the camera with the aid of the viewfinder, which means that it is not necessary to keep moving the camera and tripod.

**23 Multifocus Finder** (001388)  
Distance scale in feet. Includes 6x9 mask for Super Technika 23 and other 2x3 cameras.  
**Item # LIFMF23 .....1,398.50**

**45 Multifocus Finder** (001378)  
With 4x5 mask for Master Technika 45 and other 4x5 cameras.  
**Item # LIFMF45 .....1,398.50**

**9x12cm Mask** (001379)  
For 45 Multifocus Finder.  
**Item # LIM912MFF45...125.95**

**612 Mask** (001444)  
6x12cm mask for 45 Multifocus Finder.  
**Item # LIM612MFF45...125.95**

**23 Mask** (001381)  
6x9cm mask for 45 Multifocus Finder.  
**Item # LIM69MFF45.....125.95**

**67 Mask** (001382)  
6x7cm mask for 45 Multifocus Finder.  
**Item # LIM67MFF45.....125.95**



23 Multifocus Finder (001388)

**66 Mask** (001383)  
6x6cm mask for 45 Multifocus Finder.  
**Item # LIM66MFF45.....119.50**

**45 Mask** (001385)  
4x5" mask for 45 Multifocus Finder. (Replacement.)  
**Item # LIM45MFF45.....125.95**

**Polaroid Mask** (001386)  
For 45 Multifocus Finder.  
**Item # LIMPMFF45.....125.95**

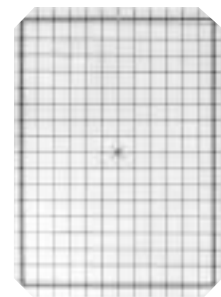
**66 Mask** (001396)  
6x6cm mask for 23 Multifocus Finder.  
**Item # LIM66MFF23.....119.50**

**67 Mask** (001397)  
6x7cm mask for 23 Multifocus Finder.  
**Item # LIM67MFF23.....125.95**

#### Focusing Screens

**NOTE:** 45 screens are for all 4x5 Linhof cameras, and 23 screens are for 2x3 cameras.

**45 Groundglass** (021805)  
With grid lines and scoring for 9x12cm. (Replacement for Master Technika 45.)  
**Item # LIGGG45.....49.95**



45 Groundglass (021805)

**45 Groundglass** (021812)  
With grid lines and scoring for 9x12cm.  
**Item # LIGGCS45.....57.95**

**45 Groundglass with Micro Grain** (021824)  
For macro photography.  
**Item # LIGGMG45.....49.95**

**23 Groundglass** (021807)  
With grid lines and scoring for 6x7cm. (Replacement for Super Technika 23.)  
**Item # LIGGG23.....38.95**

**23 Groundglass** (021813)  
With grid lines and scoring for 6x7 and 6x9.  
**Item # LIGGCS23.....43.50**

**45 Super Fresnel Screen** (002522)  
Gives a brighter viewing area to judge camera movements and focusing.  
**Item # LIF45.....204.50**

**23 Fresnel Screen** (002566)  
With retaining clips. Same as above, for 2x3 camera.  
**Item # LIF23.....164.95**

#### Focusing Hoods

**NOTE:** 45 Focusing Hoods are for all 4x5 Linhof cameras, and 23 Focusing Hoods are for 2x3 cameras.

**45 Folding Focusing Hood** (001612)  
Prevents stray light. Snaps open by spring tension. Folds away for fine focusing with magnifier. (Replacement for Master Technika 45.)  
**Item # LIFFH45 .....439.95**

**23 Folding Focusing Hood** (001613)  
Same as above. (Replacement for Super Technika 23.)  
**Item # LIFFH23 .....324.95**

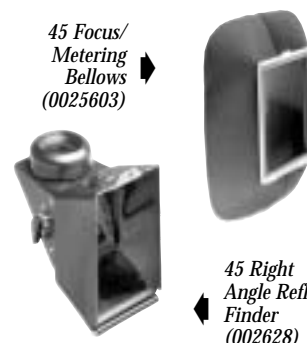


23 Folding Focusing Hood (001619)

**45 Right Angle Reflex Finder** (002628)  
4-way horizontal/vertical right angle reflex attachment, especially recommended when working with long lenses.  
**Item # LIFR45 .....764.95**

**23 Right Angle Reflex Finder** (002629)  
Same as above. For Super Technika 23.  
**Item # LIFR23 .....508.50**

**45 Focus/Metering Bellows** (002503)  
With 4x magnifier for spot viewing and 2x magnifier for full area viewing. Also used as a metering bellows in conjunction with Luna Pro or Luna Pro SBC.  
**Item # LIBFM45.....634.95**



45 Focus/Metering Bellows (0025603)

45 Right Angle Reflex Finder (002628)

**23 Focus/Metering Bellows** (002504)  
Same as above. For Super Technika 23.  
**Item # LIBFM23.....609.95**

**Adapter for Gossen** (002710)  
For Luna Pro (Luna-Six) to meter with Focus Meter Bellows.  
**Item # LIGLSA .....134.95**



### BACK ACCESSORIES

Rollfilm backs for Super Technika 23 and Technikardan 23S, Super Rollex Film backs for using rollfilm on 2x3 cameras when camera back is removed.

**6x6 Super Rollex Film Back** (001526)  
120 film, 6x6cm, 12 exposures.  
**Item # LISR6612023...1,817.50**

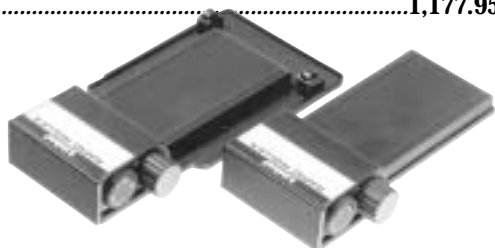
**6x7 Super Rollex Film Back** (001460)  
120 film, 6x7cm, 10 exposures.  
**Item # LISR6712023...1,817.50**

**6x7 Super Rollex Film Back** (001465)  
220 film, 6x7cm, 20 exposures.  
**Item # LISR6722023...1,817.50**

**6x7 Rapid Rollex Film Back** (001566)  
120 film, 6x7cm, 10 exposures. Push-in film holder fits between groundglass and camera in the same manner as the cut film holder. Camera back is not removed. Automatic Exposure Counter.  
**Item # LIRR6723.....1,177.95**

**6x7 Rapid Rollex Film Back** (001566), left

**6x7 Rapid Rollex Film Back** (001567), right



For back accessories for the 4x5 cameras, see listings on View Cameras.

**6x9 Super Rollex Film Back** (001524)  
120 Film, 6x9cm, 8 exposures.  
**Item # LISR6912023...1,817.50**

**70mm Cine Rollex Film Back** (001457)  
70mm perforated film, 6x7cm, 53 exposures. Mounts on camera without film back.  
**Item # LICR6723 .....2,389.50**

**Hasselblad Film Back Adapter** (001565)  
Hasselblad film backs can be used with this adapter on all 2x3 cameras.  
**Item # LIFBAHTK23 .....567.95**

**Polaroid Back 23** (001666)  
Modified #405 back. Fits Polaroid 600 series film.  
**Item # LIFBP23.....788.50**

### Rollfilm Backs for All Standard 4x5 Camera Backs



**6x6 Super Rollex Film Back** (001527)  
120 film, 6x6cm, 12 exposures (2 1/4 x 2 1/4").  
**Item # LISR6612045...1,817.50**

**6x7 Super Rollex Film Back** (001459)  
120 film, 6x7cm, 10 exposures (2 1/4 x 2 3/4").  
**Item # LISR6712045...1,817.50**

**6x7 Super Rollex Film Back** (001464)  
220 film, 6x7cm, 20 exposures (2 1/4 x 2 3/4").  
**Item # LISR6722045...1,817.50**

**6x9 Super Rollex Film Back** (001523)  
120 film, 6x9cm, 8 exposures (2 1/4 x 3 1/4").  
**Item # LISR6912045...1,817.50**

**6x7 Rapid Rollex Film Back** (001567)  
120 film, 6x7cm (2 1/4 x 2 3/4") slide-in rollfilm holder. Fits between groundglass and camera, same as cut film holder. Camera back is not removed.  
**Item # LIRR6745 .....1,177.95**

**35mm Super Rollex Film Back** (001568)  
35mm film, 24 x 36mm, 30 exposures.  
**Item # LISR3545.....1,817.50**

**6x12 Techno Rollex Film Back** (001560)  
120 film, 6x12cm, 6 exposures (2 1/4 x 4 1/4").  
**Item # LITR61245 .....2,917.95**

**70mm Cine Rollex 6x7 Film Back** (001456)  
53 exposures, 2 1/4 x 2 3/4"/6x7cm on 70mm perforated film, with automatic exposure counter and film winding lever. Film is spooled from one daylight loading cartridge into the other. No rewinding, which greatly minimizes the risk of film scratches. Supplied with 2 empty 70mm cartridges (022508).  
**Item # LICR6745 .....2,389.50**



### BODY ACCESSORIES

#### Anatomical Grip

**Anatomical Left Hand Grip** (002549)  
With 17" cable release and handstrap. For Master Technika 45 and MT2000. Helpful for fast action photography.  
**Item # LIGALTK45 .....537.95**

**Anatomical Right Hand Grip** (002552)  
Grip only, for Master Technika 45 or Super Technika 23.  
**Item # LIGRA.....Disc**

**Anatomical Left Hand Grip** (002512)  
With 13.5" cable release and handstrap. For Super Technika 23.  
**Item # LIGALTK23 .....537.95**

**Shoulder Strap** (022530)  
For Master Technika 45  
**Item # LISSMT .....64.95**

*A Telephoto Macro Track for Technika 4x5 is available by Wista. See Wista Extension Tracks and Rails.*

#### 70mm Accessories

**Super Rollex Insert** (001528)  
12 exposures, 2 1/4 x 2 1/4"/6 x 6cm. (Replacement for 23 and 45 film backs for 120 film.)  
**Item # LII66120SR .....1,254.95**

**Super Rollex Insert** (001467)  
10 exposures, 2 1/4 x 2 1/4"/6 x 7cm. (Replacement for 23 and 45 film backs for 120 film.)  
**Item # LII67120SR .....1,254.95**

**Super Rollex Insert** (001525)  
8 exposures, 2 1/4 x 3 1/4"/6 x 9cm. (Replacement for 23 and 45 film backs for 220 film.)  
**Item # LII69120SR .....1,254.95**

**Super Rollex Insert** (001462)  
20 exposures, 2 1/4 x 2 1/4"/6 x 7cm. (Replacement for 23 and 45 film backs for 120 film.)  
**Item # LII67220SR .....1,254.95**

**6x12 Techno Rollex Film Insert** (001562)  
For 220 film, 12 exposures, 2 1/4 x 4 1/4"/6 x 12cm.  
**Item # LIITR .....464.50**

# L I N H O F

## TECHNIKA SYSTEM



### BACK ACCESSORIES, *continued*

#### 70mm Accessories

70mm Cartridge  
with Reel (022508)  
**Item # LIC70CR.....69.95**

70mm Reel (022510)  
(Replacement for 022508  
70mm Cartridge with Reel.)  
**Item # LICR70.....22.95**



70mm Cartridge Case (022509)  
For 70mm cassette.  
**Item # LICC70.....66.50**

Storage Box (022511)  
For two 70mm cassettes.  
**Item # LISC70.....57.95**

Bulk Film Loader  
for 70mm Film (002513)  
For spooling 70mm film in  
cassette.  
**Item # LIBFL70.....833.95**

*Bulk  
Film Loader  
for 70mm Film (002513)*

#### Film Plane Metering

Using the focusing/metering bellows (*see View Accessories*), TTL metering can be achieved together with a handheld Gossen Luna-Pro, Luna-Pro F, Luna-Pro S and Luna-Pro SBC. This system provides a highly accurate average reading, as well as semi-spot readings of selected image portions, taking into account such variables as subject brightness, filter factor and bellows extension. For correct results, a fresnel screen or super screen should be used.

Adapter for Gossen Luna-Pro (002581)  
Also for Gossen Luna-Pro S  
and Luna-Pro F.  
**Item # LIGA.....134.95**

Adapter for  
Gossen Luna-Pro  
SBC (002710)  
**Item # LIGLSA .....134.95**

Luna Pro S (4020)  
Provides accurate reflected or incident light readings in all kinds of light, from a flickering candle to a bright summer's sun. As a system meter, it will provide correct exposures in any situation. Wide range of optional accessories further increase versatility.  
**Item # GOLPS .....199.95**

Luna Pro F (4030)  
Measures both continuous light and flash. A silicon blue sensor for instantaneous reading of high and low light levels. Incorporates a null meter readout. Determines scene brightness range and lighting ratios, which can be read directly from the meter at any light level.  
**Item # GOLPF.....289.95**

Luna Pro SBC (4025)  
Reads accurately down to -4 EV for extreme low light capability. It also provides  $\pm 3$  f-stop scale for direct read-out of brightness range, Zone System values and lighting ratios.  
**Item # GOLPSBC .....251.95**



### FRONT ACCESSORIES

#### Technika 23 Lensboards (74 x 81mm) for Technika 23 Dropped 6x9 Cameras as of 1962

Flat Lensboard 23 (001001)  
With center pilot hole.  
**Item # LILBST23.....125.95**

Compur #0 Lensboard (001002)  
With cable release socket. For  
wide angle lenses.  
**Item # LILB0ST23 .....179.95**

Compur #0 Lensboard (001005)  
With cable release socket. For  
100mm lens.  
**Item # LILBWAFD .....179.95**

Copal #0 Lensboard (001124)  
With cable release socket. For  
100mm lens.  
**Item # LILBWFDA .....179.95**

#1 Lensboard (001106)  
**Item # LILB1ST23 .....125.95**

#3 Lensboard (001058)  
With spacer tube. For  
telephoto lenses.  
**Item # LILB3ST23 .....395.95**

#### Technika 45 Lensboards (96 x 99mm) for Master Technika 45, MT2000, Technikardan 23 and Technikardan 45

Flat Lensboard 45 (001013)  
With center pilot hole for one's  
own drilling.  
**Item # LILBBT45 .....125.95**

#0 Lensboard 45 (001143)  
**Item # LILB0T45.....125.95**

#1 Lensboard 45 (001026)  
**Item # LILB1T45.....125.95**

Compu/Prontor  
#3 Lensboard 45 (001059)  
**Item # LILBT345Q.....125.95**

Compur #3 Lensboard 45 (001119)  
**Item # LILB3T45.....139.50**

Recessed Lensboard 45 (001153)  
For lens in Barrel mount.  
**Item # LILBRBT45.....132.50**

#### Technika 45 Lensboards (96 x 99mm) for Master Technika 45 and MT2000 with Cable Release Socket

Compur #0  
Flat Lensboard 45 (001017)  
**Item # LILB0T45Q2.....189.95**

Copal #0  
Flat Lensboard 45 (001120)  
**Item # LILB0T45CQ1....189.95**

Compur #1  
Flat Lensboard 45 (001126)  
**Item # LILB1T45Q5.....189.95**

Copal #1  
Flat Lensboard 45 (001121)  
**Item # LILB1T45Q4.....189.95**

Compur #1  
Recessed Lensboard 45 (001015)  
**Item # LILBR0T45.....273.50**

Copal #0  
Recessed Lensboard 45 (001016)  
**Item # LILBR0T45Q2....309.50**

Compur #1 Flat Lensboard 45 (001128)  
Aperture control possible.  
**Item # LILB1T45Q3.....228.50**

#### Technika Adapter Board

Technika Lensboard Adapter 45/23 (001070)  
Permits lenses mounted on Technika 23 (74x81mm) lensboards to  
be used on Technika 45 and MT2000.  
**Item # LILBAR4523.....372.50**





### FRONT ACCESSORIES, continued

#### Bellows Hood

##### Compendium Lenshood

Technika 4x5 (001926)

Bellows hood is used to eliminate glare. It accepts 4x4" gels. Simple screw-in installation. Swing up to exchange lenses.

Item # **LICHT45** .....**538.95**

##### Filter Holder MT 45 (001933)

For 95mm glass screw-in filters. Also accepts 4x4" gels. Fits directly in back of lenshood.

Item # **LIFH9544** .....**324.95**

Filter  
Holder  
MT 45  
(001933)



##### Vignetting Mask Holder (001932)

For bellows hood. Fits directly in front of lenshood.

Item # **LIVM** .....**133.95**

#### TK Lens Coupling

##### Lens Coupling Standard

Package TK 23 (001711)

For 53-180mm lenses.

Item # **LICPTK23** .....**179.95**

##### Lens Coupling Ring (001718)

For 180-360mm lenses.

Item # **LICPTK45180** .....**93.50**

##### Wide Angle Focus Attachment TK45 (002555)

For 58 or 65mm wide angle lenses.

Item # **LIFDWA65** .....**899.95**



### CASES



##### Aluminum Case

ST23 (022458)

Tropical proof, dust and humidity protected, with adjustable partitions. The Linhof Aluminum Case ST23 holds the camera with its basic accessories. Its dimensions are 17 x 8 x 14" (44 x 21 x 13cm).

Item # **LICAST23** .....**986.95**

##### Aluminum Case MT45,

MT2000 (022457)

The Aluminum Case MT45, MT2000 holds the camera with its basic accessories. Tropical proof, dust and humidity protected, with adjustable partitions. Dimensions are 17 x 8 x 14" (44 x 21 x 13cm).

Item # **LICAMT45** .....**986.95**



### MISCELLANEOUS ACCESSORIES

#### 10" (250mm)

Cable Release (002432)

With T-Lock.

Item # **LICR10** .....**27.50**

#### 13 1/2" (340mm)

Cable Release (002429)

T-Lock and turning nipple.

Item # **LIHDCR135** .....**29.95**

#### 17" (430mm)

Cable Release (002430)

T-Lock and turning nipple.

Item # **LIHDCR17** .....**34.95**

#### 17" (430mm)

Cable Release (002433)

T-lock and turning nipple (Metal Covered).

Item # **LICR17** .....**42.95**

#### 20" (500mm)

Cable Release (002435)

(Black) With T-Lock.

Item # **LICR20** .....**42.95**

#### 21" (530mm)

Cable Release (002431)

T-lock and turning nipple.

Item # **LICR21Q** .....**35.95**

#### 21" (550mm)

Cable Release (002440)

T-Lock with special unthreaded nipple for cable release quicksocket.

Item # **LICRQL21** .....**42.95**

#### 30" (750mm)

Cable Release (002434)

T-Lock and turning nipple.

Item # **LICR30** .....**52.95**

#### Angle Connector (002765)

Conical thread and turning nipple.

Item # **LIACT** .....**32.95**

#### Angle Connector (002727)

Unthreaded nipple for quick-socket.

Item # **LIACUT** .....**45.95**

#### Linhof Spirit Level (002599)

Glass clear plastic body with dual level for horizontal and vertical levelling, for horizontal and vertical formats.

Item # **LISL** .....**55.95**



Prontor  
Professional  
Timer  
(022502)

#### Prontor

Professional Timer (022502)

Mechanical timer with built-in 500mm/24" cable release, for long time exposures with the shutter set to "B". Reliable timing mechanism, stepless adjustable from 2 to 32 seconds. Particularly recommended for macro work to eliminate vibration.

Item # **LIST** .....**638.95**



Professional Calculator (002744)

#### Linhof Prof Calculator (002744)

Ingenious aid for numerous special photographic calculations, such as depth-of-field, lens tilt, etc.

Item # **LICP** .....**518.50**

#### Linhof Universal Depth-of-Field Chart (025009)

For establishing extension differences, checking the reproduction ratio, reading of working aperture, etc.

Item # **LIUDFC** .....**9.95**

**Linhof 18x24 / 8x10 in. Schärftiefen-Anzeiger Depth-of-Field Chart**

Abblenkenverhältnis reproduzierbar

	1:1	1:1.5	1:2	1:3	1:4	1:6	1:10	1:20	∞
8	80/2	11 1/3	11 1/3	11 1/3	10	10 1/2	10 1/2	10 1/2	10 1/2
10	11 1/3	16 2/3	16	16	16 2/3	22	22	22 1/2	22 1/2
12	16 2/3	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2
15	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2
18	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2
22	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2
25	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2
30	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2
35	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2
40	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2
50	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2	22 1/2

Depth-of-Field Chart (025009)



# TOYO

## 45AII 4x5" FIELD CAMERA

*Toyo, known to professionals for their superbly built monorail cameras, has designed the 45AII and 45AX field cameras to live up to their well-earned reputation for being functional and elegant. The 45AII and 45AX are full-featured, portable, folding, rugged and lightweight 4x5 technical field cameras, which offer modern alloy durability and unique features, such as polymer-coated parts for precision smoothness. Both cameras offer a full range of camera movements, including 90° drop bed and 15° positive stops. The 45AX camera body is identical to the 45AII and is equipped with a standard, reversible 4x5 Graflock back, in place of the 45AII's deluxe revolving back, to economize on cost.*



Toyo 45AII/AX

FIELD CAMERAS

145

### FEATURES

- **Lightweight, compact all metal folding field camera**
- **Accepts Polaroid 4x5 holder and 6x7, 6x9 or 6x12 rollfilm holders**
- **Micro fine focusing on front**
- **Convenient hand strap**
- **All metal alloy construction**
- **Tapered 12<sup>3</sup>/<sub>4</sub>" bellows with built-in double extension bed**
- **Optional 4" extension backs for use with long telephoto lenses**
- **Accepts wide angle lenses down to 47mm, with optional recessed board**

#### 45AII Pro Camera 180-224 (120)

*Consists of:* 360° revolving back, Super Brite fresnel lens, acid etched grid groundglass, 1/4" and 3/8" interchangeable tripod sockets, 4 x 5 folding focusing hood and #0 lensboard.

*Item # TO45A2.....2,139.00*

#### 45AX Pro Camera 180-223

*Consists of:* Reversible back, Super Brite fresnel lens, acid etched grid groundglass with 6x7 and 6x9cm markings, 1/4" and 3/8" interchangeable tripod sockets and Blank lensboard.

*Item # TO45AX.....1,499.00*

*For accessories, see Toyo View cameras*

### 45AII SPECIFICATIONS

#### CAMERA MOVEMENTS:

##### TILTS

Front 105°; Rear 105°

##### SWING

Front 16°; Rear 16°

##### RISE & FALL

Front 1.7" (43mm)

#### LATERAL SHIFT

Front .5" (14mm)

#### CAMERA BACK

International Standard 4x5,  
360° Revolving Back

#### FOCUSING SCREEN

4x5 Fresnel Lens in front of  
acid etched grid ground-  
glass with 6x7 and 6x9cm  
markings

#### MINIMUM EXTENSION

2.8" (70mm)  
with Standard Board  
1.7" (43mm)  
with Recessed Board

#### MAXIMUM EXTENSION

12.8" (324mm)  
Optional 4" extension back  
is available for long focal  
lenses

#### LENSBOARD

Toyo 110 x 110mm Flat or  
Recessed Board, or misc  
Lensboard Adapters

#### FOLDED DIMENSIONS

AII: 7.4 x 8.3 x 4.2"  
(188 x 209 x 107mm)  
AX: 7.4 x 8.2 x 4.2"  
(188 x 208 x 107mm)

#### WEIGHT

AII: 6.2 lbs. (2.8kg)  
AX: 5.8 lbs. (2.6kg)

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# TOYO

## 810 MII 8x10" FIELD CAMERA

FIELD CAMERAS

146

*Although the 4x5" format is by far the most common large format film size, many situations demand the use of the superior 8x10" image. Only Toyo can combine the 8x10" large format film size with an all metal body and put it in a package suitable to be used in the field. The Toyo Field 810 MII is a lightweight folding 8x10" field camera with all metal alloy construction and format reducing capability to 5x7" and 4x5" formats. It has independent locks on all movements, all-metal rubber covered GX control knobs, reversible 8x10 back and a pro-black matte finish. It accepts many Toyo Modular system accessories, including interchangeable wide angle bellows, backs and viewing accessories.*



Toyo  
810 MII Camera  
180-225 (18) shown  
with optional lens

### FEATURES

- **Lightweight, compact all metal folding field camera**
- **Extra-long 882mm extension bed for use with all telephoto lenses**
- **Interchangeable 26" bellows with built-in double extension bed**
- **Front base tilt, rise, fall swing and shift**
- **Optional wide angle bellows for use with lenses down to 65mm**
- **Practical for studio or location use**
- **Rear base tilt and swing**
- **Heavy-duty back with Easyload Dual Dampened Bail Arms**
- **Extra large 8x10" format in a convenient field camera package**
- **Multi format capable with optional reducing backs**

810 MII Camera 180-225 (18)  
Consists of:

Extra-long 882mm dual extension drop bed, heavy duty back with Easyload Dual Dampened Bail Arms, Toyo acid etched grid groundglass, and a predrilled #0 lensboard.

Item # **TO810M2** .....**4,515.00**

For accessories,  
see Toyo View cameras

### 810 MII SPECIFICATIONS

#### TILTS

Front 105°, Rear 105°

#### SWINGS

Front 360°, Rear 12°

#### RISE & FALL

Front 3.5" (90mm),  
Rear -

#### LATERAL SHIFT

Front 3.1" (80mm)  
Rear -

#### CAMERA BACK:

International Standard  
Vertical/Horizontal  
8x10 Back

#### FOCUSING SCREEN:

Grid Groundglass 8x10

#### INTERCHANGEABLE

#### BELLOWS:

Yes

#### MINIMUM EXTENSION:

3.5" (88mm) with Standard  
Board

1.9" (48mm) with Recessed  
Board

#### MAXIMUM EXTENSION:

32" (822mm)

#### LENSBOARD:

Toyo 158 x 158mm Flat or  
Recessed Board, or misc.  
Lensboard Adapters

#### FOLDED DIMENSIONS:

Toyo 14.4 x 14.9 x 6.2"  
(366 x 379 x 158mm) L.W.H.

#### WEIGHT:

15 lbs. (6.8kg)

Subject to change without notice

# WISNER

## SYSTEM

*Well known for their innovation and the highest quality in the manufacturing of fine wooden cameras, the Wisner Company has developed a most advanced and truly professional technical field camera.*

*The Wisner Field cameras, with the exception of the 4x5 and 8x10 Traditional, are the only cameras in the world with the patented, geared axis tilt in the rear standard. With the geared tilt knob on one side of the camera and the focusing knobs on the other, the photographer can both tilt and focus the camera at the same time, making the composition of table-top and landscape photographs both faster and easier.*

*This system allows the subject to remain in focus at a point near the center of the groundglass when the camera is tilted in the normal manner. Until now, this capability has only been available on monorail cameras. The ability to hold focus at a central position is, of course, a convenience. Because they have a base tilt, all other field cameras move the groundglass and lens away from each other, as the camera standard follows the arc of tilt, which then requires that the camera be refocused. With its geared axis tilt, the Wisner Technical Fields do not have this problem. Parallel Rear Rise: Rear rise is valuable for making vertical composition adjustments, especially after the lens-subject relationship has been established. Because the rear rise is parallel to the focal plane, any amount of rear rise can be made, and the image will remain in focus, regardless of the degree of tilt. This means that after the desired tilt has been achieved, vertical cropping adjustments may be made without disturbing the focus.*



### FEATURES

- Greatest extension of any field camera
- Interchangeable bellows
- Vertical, horizontal and plumb spirit levels
- Rigid focusing track and rails
- Heavy duty, padded, sewn leather handles
- The 4x5 and 8x10 accept Polaroid backs
- High strength bronze tripod plate with European and American tripod threads
- Precision rack and pinion focusing of hard brass in both front and rear beds
- Reversible back (vertical, horizontal)
- Large brass focusing knobs and easy access control knobs for all movements

4x5 S Traditional Item # WIT45Q.....1,495.00	7x17 Traditional L Panoramic Item # WIPT717.....3,999.50
4x5 Technical Field Item # WIT45.....1,850.00	8x10 Traditional L Item # WITL810.....2,595.00
4x5 Expedition Item # WIE45.....2,195.00	8x10 Technical Item # WIT810.....3,495.00
4x5 Pocket Expedition Item # WIPE45.....2,495.00	8x10 Expedition Item # WIE810.....4,195.00
4x10 Panoramic Item # WIP410.....2,194.95	8x20 Technical Panoramic Item # WIT820.....4,000.00
5x7 Traditional L Item # WITL57.....2,294.95	11x14 Technical Item # WIT1114.....4,400.00
5x7 Technical Item # WIT57.....2,675.00	12x20 Technical Item # WIT1220.....5,000.00
6x10 Panoramic Item # WIP610.....2,194.95	20x24 Technical Item # WIT2024.....8,998.95

# WISNER

## SYSTEM

FIELD CAMERAS

148

### WISNER FIELD CAMERA SPECIFICATIONS

CAMERA FORMAT	4x5 S Traditional	4x5 Technical	4x5 Expedition	4x5 Pocket Expedition	4x10 Panoramic
Front Base Tilt	125°	125°	125°	135°	125°
Front Swing	24°	24°	24°	24°	24°
Front Rise & Fall	3.1" (79mm)	3.1" (79mm)	3.1" (79mm)	2" (50mm)	3.1" (79mm)
Front Shift	9" (25mm)	1" (25mm)	1" (25mm)	1" (25mm)	1" (25mm)
Rear Axis Backward Tilt	-	25°	25°	25°	25°
Rear Base Tilt	125°	110°	110°	110°	110°
Rear Swing	30°	30°	30°	30°	20°
Rear Rise Parallel Foc	-	1.5" (38mm)	1.5" (38mm)	1.5" (38mm)	1.5" (38mm)
Int'l Std Camera Back	4x5"	4x5"	4x5"	4x5"	4x10"
Fresnel GG Grid Screen	✓	✓	✓	✓	✓
Interchange Bellows	✓	✓	✓	✓	✓
Minimum Bellows Draw	3.5" (90mm)	3.5" (90mm)	3" (75mm)	2.3" (58mm)	3.25" (82mm)
Maximum Extension	20" (508mm)	23" (584mm)	20" (508mm)	19" (480mm)	23" (584mm)
Yaw Free Base Tilt (via rear rise)	x	✓	✓	✓	x
Lenses in Shutter #	#0, #1	#0, #1	#0, #1	#0, #1	#0, #1, #3
Lensboard	4 x 4" (101 x 101mm)	4 x 4" (101 x 101mm)	4 x 4" (101 x 101mm)	4 x 4" (101 x 101mm)	4 x 4" (101 x 101mm)
Folded Dimensions WHD	9.5 x 8.75 x 3.75" (24.1 x 22.2 x 9.5cm)	9.5 x 7.75 x 4.75" (24.1 x 19.6 x 12cm)	9.5 x 8.75 x 3.75" (24.1 x 22.2 x 9.5cm)	7 x 7 x 3.3" (17.8 x 17.8 x 8.4cm)	14 x 8 x 4.75" (55.6 x 20.3 x 12cm)
Weight	6 lbs. (2.7kg)	6.5 lbs. (2.9kg)	3.9 lbs. (1.8kg)	3.6 lbs. (7.9kg)	7 lbs. (3.2kg)

*Subject to change without notice*

### WISNER FIELD CAMERA SPECIFICATIONS

CAMERA FORMAT	5x7 Traditional L	5x7 Technical	8x10 Traditional L	8x10 Technical	8x10 Expedition
Front Base Tilt	120°	120°	115°	115°	115°
Front Swing	36°	36°	44°	44°	44°
Front Rise & Fall	5" (126mm)	5" (127mm)	6.9" (175mm)	6.9" (175mm)	6.9" (175mm)
Front Shift	3" (76mm)	3" (76mm)	2" (51mm)	2" (51mm)	2" (51mm)
Rear Axis Bkwrld Tilt	-	20°	-	25°	25°
Rear Base Tilt	110°	110°	135°	110°	180°
Rear Swing	30°	30°	36°	36°	36°
Rear Rise Parallel Focus	-	2" (51mm)	-	2.5" (64mm)	2.5" (64mm)
Int'l Std Camera Back	5x7"	5x7"	8x10"	8x10"	8x10"
Fresnel GG Grid Screen	✓	✓	✓	✓	✓
Interchangeable Bellows	✓	✓	✓	✓	✓
Minimum Bellows Draw	4.5" (115mm)	4.5" (115mm)	4.5" (90mm)	4.5" (90mm)	4.5" (90mm)
Maximum Extension	27" (686mm)	30" (762mm)	36" (914mm)	40" (1016mm)	43" (1092mm)
Yaw Free Base Tilt (via rear rise)	-	✓	x	✓	✓
Lenses in Shutter #	#0, #1, #3	#0, #1, #3	#0, #1, #3	#0, #1, #3	#0, #1, #3
Lensboard	5.25 x 5.25" (133 x 133mm)	5.25 x 5.25" (133 x 133mm)	5.25 x 5.25" (133 x 133mm)	5.25 x 5.25" (133 x 133mm)	5.25 x 5.25" (133 x 133mm)
Folded Dimension WHD	10 x 10 x 4" (25.4 x 25.4 x 10.2cm)	10 x 10 x 5" (25.4 x 25.4 x 12.7cm)	13.5 x 15.2 x 4.5" (34.3 x 38.6 x 11.4cm)	13.5 x 15.2 x 5.5" (34.3 x 38.6 x 14cm)	14 x 15.5 x 4" (35.6 x 39.4 x 10.2cm)
Weight	7 lbs. (3.2kg)	10 lbs. (4.5kg)	10.5 lbs. (4.8kg)	17.5 lbs. (7.9kg)	11.4 lbs. (5.2kg)

*Subject to change without notice*

**Corporate Accounts Are Welcome**



# WISNER

## SYSTEM

FIELD CAMERAS

149

### WISNER FIELD CAMERA SPECIFICATIONS

CAMERA FORMAT	8x20 Technical	11x14 Technical	12x20 Technical	20x24 Technical
Front Base Tilt	25°	25°	25°	25°
Front Swing	44°	40°	44°	44°
Front Rise & Fall	7.9" (200mm)	8" (203mm)	8" (203mm)	3" (76mm)
Front Shift	2" (51mm)	1" (25mm)	3" (76mm)	4" (102mm)
Rear Axis Backward Tilt	25°	25°	25°	25°
Rear Base Tilt	110°	110°	110°	110°
Rear Swing	24°	36°	30°	—
Rear Rise Parallel Foc	2.5" (64mm)	2.5" (64mm)	2.5" (64mm)	—
Int'l Std Camera Back	8x20"	11x14"	12x20"	20x24"
Fresnel GG Grid Screen	✓	✓	✓	—
Interchange Bellows	✓	✓	x	x
Minimum Bellows Draw	6" (152mm)	6" (152mm)	6" (152mm)	6" (152mm)
Maximum Extension	40" (1016mm)	50" (1270mm)	50" (1270mm)	55" (1397mm)
Yaw Free Base Tilt (via rear rise)	✓	✓	✓	✓
Lenses in Shutter #	#0, #1, #3	#0, #1, #3	#0, #1, #3	#0, #1, #3
Lensboard	5.25 x 5.25" (133 x 133mm)	5.25 x 5.25" (133 x 133mm)	5.25 x 5.25" (133 x 133mm)	6 x 6" (15.2 x 15.2mm)
Folded Dimensions WHD	13 x 13 x 5.5" (33 x 58.4 x 14cm)	17.5 x 17.5 x 6" (44.5 x 44.5 x 15.2cm)	17.5 x 23 x 6" (44.5 x 58.4 x 15.2cm)	30 x 30 x 6" (76.2 x 76.2 x 15.2cm)
Weight	22 lbs. (10kg)	30 lbs. (13.6kg)	30 lbs. (13.6kg)	40 lbs. (18.2kg)

Subject to change without notice



### BODY ACCESSORIES

#### Wide Angle (Bag) Bellows

##### 4x5 Wide Angle Bellows

Minimum extension 1.4" (35mm), maximum extension 8" (203mm).

Item # **WIBB45**.....**189.95**

##### 5x7 Wide-Angle Bellows

Minimum extension 1.9" (49mm), maximum extension 12" (305mm).

Item # **WIBB57**.....**289.95**

4x5 Expedition  
shown folded



##### 4x10 Wide-Angle Bellows

Minimum extension 1.4" (35mm), maximum extension 8" (203mm).

Item # **WIBB610**.....**227.95**

##### 6x10 Wide-Angle Bellows

Minimum extension 1.4" (35mm), maximum extension 8" (203mm).

Item # **WIBB410**.....**227.95**

##### 8x10 Wide Angle Bellows

Minimum extension 1.6" (40mm) on Technical cameras, 0mm on 8x10 Expedition camera; maximum extension 12" (305mm).

Item # **WIBB810**.....**389.95**

##### 12x20 Wide-Angle Bellows

Item # **WIBB1220**.....**599.95**

#### Format Conversion

Wisner cameras are one of the only wooden field cameras that can be converted to larger formats. Conversions are done by focusing the rear track all the way back, then unhooking the bellows. The rear portion of the camera comes apart, and the conversion kit is ready to slide into place. When the camera is converted, it works as if it would have been purchased originally as that sized camera.

##### 4x5 to 4x10 Conversion Kit

Item # **WICK45410** ...**1,098.95**

##### 4x5 to 5x7 Conversion Kit

Item # **WICK4557** .....**1,098.95**

##### 4x5 to 6x10 Conversion Kit

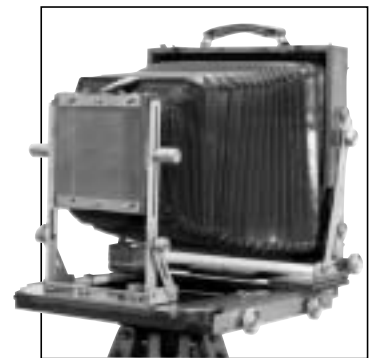
Item # **WICK45610** ...**1,098.95**

##### 8x10 to 8x20 Conversion Kit

Item # **WICK810820**...**2,004.95**

##### 8x10 to 7x17 Conversion Kit

Item # **WICK810717**...**2,004.95**



8x10 Expedition



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



### BACK ACCESSORIES

#### Reducing Backs

Reduces picture format from camera size to desired format. Made of fine wood to match the camera used. Reducing back is placed on camera by removing existing back. Includes a built-in groundglass back and focusing screen.



8x10  
Rear  
Standard

5x7 to 4x5 Reducing Back  
*Item # WIRB5745.....274.95*

5x7 to 4x5  
Grafflock Reducing Back  
*Item # WIRB5745G.....474.95*

8x10 to 4x5  
Grafflock Reducing Back  
*Item # WIRB81045G.....574.95*

8x10 to 4x5 Reducing Back  
*Item # WIRB81045.....374.95*

8x10 to 5x7 Reducing Back  
*Item # WIRB81057.....472.50*

11x14 to 8x10 Reducing Back  
*Item # WIRB1114810....499.95*

11x14 to 5x7 Reducing Back  
*Item # WIRB111457.....499.95*

11x14 to 4x5 Reducing Back  
*Item # WIRB111445.....499.95*

11x14 to 4x5  
Grafflock Reducing Back  
*Item # WIRB111445G...699.95*

12x20 to 11x14 Reducing Back  
*Item # WIRB12201114..599.95*

12x20 to 8x10 Reducing Back  
*Item # WIRB1220810....599.95*

12x20 to 5x7 Reducing Back  
*Item # WIRB122057.....599.95*

12x20 to 4x5 Reducing Back  
*Item # WIRB122045.....599.95*

#### Grafflock Conversion Backs

4x5 Grafflock Back  
Converts 4x5 cameras to Grafflock type.  
*Item # WIFBL45.....249.95*

#### Film Holders

4x10 Panorama Film Holder  
Requires 4x10 Clam Shell.  
*Item # WIFH410 .....149.95*

4x10 Clam Shell  
For inserting 4x10 film holder.  
*Item # WICS410 .....79.95*

6x10 Panorama Film Holder  
*Item # WIFH610 .....149.95*

7x17 Film Holder  
*Item # WIFH717 .....449.95*

8x20 Film Holder  
*Item # WIFH820 .....449.95*

12x20 Film Holder  
*Item # WIFH1220 .....499.95*

20x24 Film Holder  
*Item # WIFH2024 .....599.95*



### FRONT ACCESSORIES

#### 4 x 4" (101 x 101mm) Lensboards for all 4x5 Cameras

Blank  
Uncut Lensboard  
*Item # WILBB45.....34.95*

Lensboard #0  
Cut for #0 hole.  
*Item # WILB045 .....34.95*

Lensboard #1  
Cut for #1 hole.  
*Item # WILB145 .....34.95*

Lensboard #3  
Cut for #3 hole.  
*Item # WILB345 .....34.95*

#### 5.25 x 5.25" (133 x 133mm) Lensboards for 5x7, 8x10, 8x20, 11x14 and 12x20 Cameras

Blank Uncut Lensboard  
*Item # WILBB810 .....39.50*

Lensboard #0  
Cut for #0 hole.  
*Item # WILB0810.....39.50*

Lensboard #1  
Cut for #1 hole.  
*Item # WILB1810.....39.50*

Lensboard #3  
Cut for #3 hole.  
*Item # WILB3810.....39.50*

Adapter Board 4x4 to  
5.25x5.25  
Permits lenses mounted on  
Wisner 4x4 to be used on all  
larger format cameras requir-  
ing a 5.25x5.25 lensboard.  
*Item # WIAB81045 .....59.95*



#### Groundglass Cover

4x5 Groundglass Cover  
*Item # WIGGC45 .....59.50*

4x10 Groundglass Cover  
*Item # WIGGC410 .....74.95*

5x7 Groundglass Cover  
*Item # WIGGC57 .....74.95*

6x10 Groundglass Cover  
*Item # WIGGC610 .....74.95*

8x10 Groundglass Cover  
*Item # WIGGC810 .....89.95*



### VIEWFINDER ACCESSORIES

#### Replacement Groundglass

4x5 Groundglass  
*Item # WIGG45 .....29.95*

4x10 Groundglass  
*Item # WIGG410 .....83.95*

6x10 Groundglass  
*Item # WIGG610 .....83.95*

5x7 Groundglass  
*Item # WIGG57 .....39.95*

8x10 Groundglass  
*Item # WIGG810 .....54.95*

8x20 Groundglass  
*Item # WIGG820 .....79.95*

11x14 Groundglass  
*Item # WIGG1114 .....74.95*

12x20 Groundglass  
*Item # WIGG1220 .....89.95*



4x5  
Technical  
Field

# WISTA

## DX, DXII, DXIII 4x5" CAMERAS

*Constructed entirely of seasoned wood to ensure strength and beauty, the Wista Field-45 DX models eliminate the possibility of warping. The hardware is brass, the corners skillfully joined with durable tongue and groove joints. The hardwood and brass give the DX beauty and life-time durability. The DX and DXII models are available in Cherrywood and Rosewood. The DXIII model is only available in Rosewood and has the capability of changing bellows. The recessed base plate allows the camera to be folded and transported without having to dismount the lens. DX models will accommodate short focal lenses up to 65mm without the aid of a recessed lens board. These short focal length lenses and others, up to 150mm in length, can be left on the camera when transported, saving set-up time and space in your camera case.*



*Lens and lensboard not included*

FIELD CAMERAS

151

### FEATURES

- **Choice of Cherrywood or Rosewood**
  - **Smoked gold color brass hardware**
  - **Housing simple and compact; camera can be held and transported without dismounting lens**
  - **3 models available: DXII without rear shift; DX with rear shift; DXIII with interchangeable bellows**
  - **12" leather bellows**
- |   |  |
|---|--|
| 45DX/II Cherrywood (4499)<br>With fresnel screen.<br>Item # WI45DX2CW...1,229.95  | 45DX/II Rosewood (4504)<br>With fresnel screen.<br>Item # WI45DX2RW...1,589.95               |
| 45DX Cherrywood with Rear Shift (4500)<br>With fresnel screen.<br>Item # WI45DXCW.....1,289.95                                    | 45DX Rosewood with Rear Shift (4507)<br>With fresnel screen.<br>Item # WI45DXRW.....1,624.95 |
| 45DX/IIIW Rosewood with Rear Shift (4607)<br>Interchangeable bellows camera with fresnel screen.<br>Item # WI45DX3R .....1,879.95 |  |

### DX, DXII, DXIII SPECIFICATIONS

#### TILTS:

Front 127°; Rear 106°

#### SWINGS:

Front 30°; Rear 24°

#### RISE & FALL (COMBINED):

Front 1.4" (36mm) up,  
29mm down

#### LATERAL SHIFT:

Rear 1.3" (32mm)  
on DX and DXIII only

#### CAMERA BACK:

International 4x5 Manually  
Revolving

#### INTERCHANGEABLE BELLows:

Model DXIII

#### MINIMUM BELLows DRAW:

2" (51mm)

#### MAXIMUM EXTENSION:

12" (305mm)

#### TRACK LENGTH:

12" (305mm)

#### MOVEMENTS:

Geared Track with Rack and  
Pinion

#### LENS:

Accepts all Lenses in #0 and  
#1 Shutters

#### LENSBOARD:

Wista 96x99mm or Linhof  
Technika type

#### FOLDED DIMENSIONS:

8.5 x 6.75 x 3.5" (21.6 x 17.1  
x 8.9cm) H.W.D.

#### WEIGHT (BODY ONLY):

DXII Cherrywood:  
53.2oz (1500g);

DXII Rosewood:  
65.9oz (1874g);

DX Cherrywood:  
59.5oz (1666g);

DX Rosewood:  
72oz (2040g);

DXIII Rosewood:  
77.8oz (2206g)

*Subject to change without notice*



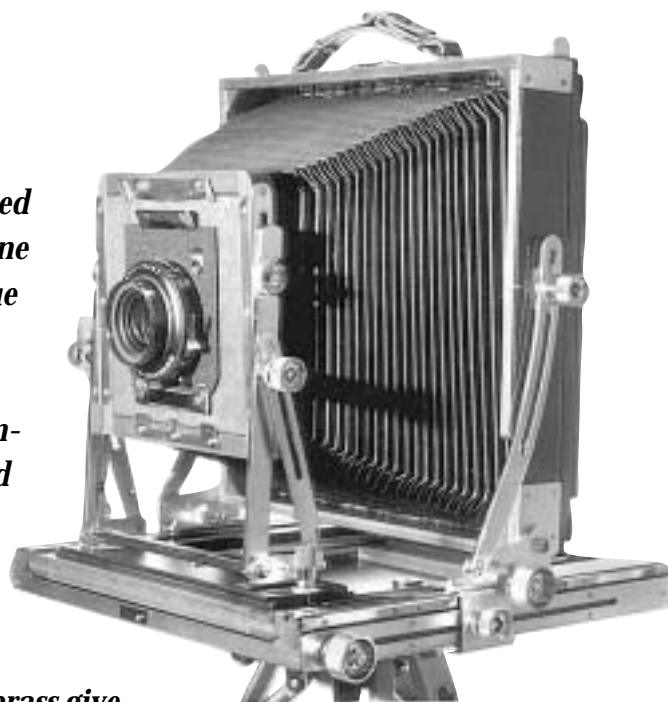
THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# WISTA

## DX 8x10" CAMERA

*Even though the 8x10" format is generally associated with commercial and industrial photography, many fine art photographers graduate to this larger film size due to its superior sharpness and its ability to show fine details. The Wista Field 810 DX is compact and light enough to allow the nature photographer to take advantage of this big film size. The body of the Wista Field 810 DX is constructed entirely of seasoned Cherrywood to ensure strength and beauty, and to eliminate the possibility of warping. The hardware is brass, and the corners are skillfully joined with durable tongue and groove joints. The hardwood and brass give the DX beauty and life-time durability.*



*This larger version of the 45DX has dual rack and pinion focusing and is built with a double extension bed, 22" (550mm) bellows extension, and its compact size makes it convenient to carry in the field.*

*Finely crafted and handmade, carefully blending durability with portability and sophistication, this instrument is the ideal lightweight 8x10 camera.*

### FEATURES

- **Elegant Cherrywood, with smoked gold colored brass hardware**
- **Housing simple and compact, camera can be carried or dismounted in no time**
- **Accepts lenses mounted on Sinar or Horseman 140x140mm lensboards, as well as on the Wista 140x140mm wooden lensboard**
- **Opens and closes with one simple touch**
- **Convenient carrying handle**

Wista 810 DX  
Cherrywood Camera (4508)  
Double extension with fresnel screen.  
Item #  
W1810DCW .....2,299.00

### DX 8x10 SPECIFICATIONS

#### TILTS:

Front 70°;  
Rear 105°

#### SWINGS:

Front 52°;  
Rear 30°

#### RISE & FALL (COMBINED):

Front 3.5" (88mm)

#### CAMERA BACK:

International Standard 8x10

#### FOCUSING SCREEN:

Fresnel with Grid Lines

#### MINIMUM BELLOWS

DRAW:  
3.5" (90mm)

#### MAXIMUM EXTENSION:

21.7" (550mm)

#### TRACK LENGTH:

21.7" (550mm)

#### MOVEMENTS:

Geared Track with Rack and Pinion Movements

#### LENS:

Accepts all Lenses Mounted in #0, #1 and #3 Shutters

#### LENSBOARD:

Wista 140x140mm Wooden Board, Sinar or Horseman 140 x 140 Boards

#### FOLDED DIMENSIONS:

12x12x3.75"  
(300 x 300 x 95mm) H.W.D.

#### WEIGHT:

10 lbs. (4.5kg)

*Subject to change without notice*



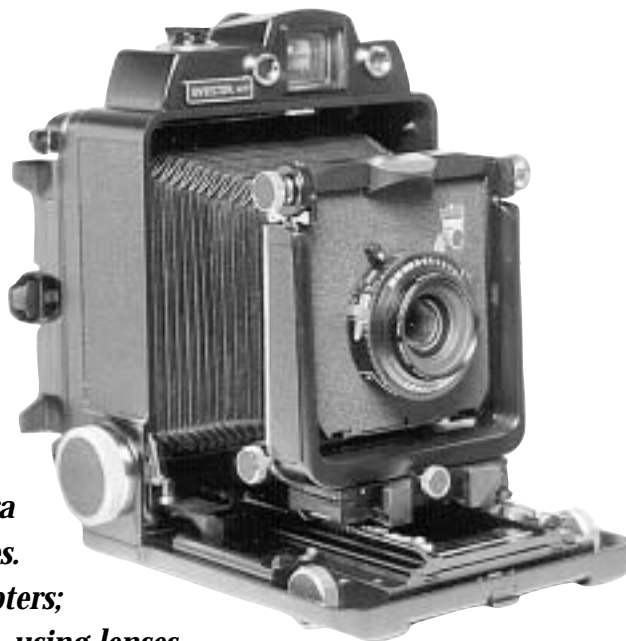
# W I S T A

## VX, SP, RF 4x5" SYSTEM

*Sophisticated metal cameras, the VX, SP and RF were designed for the photographer who wants more than just a field camera. The 45-VX is the basic rugged, compact metal camera with revolving Graflock spring back, folding focusing hood, extension beds and long bellows availability. The 45-SP has the same features as the 45-VX, plus micro focus back swing for close-up photography. The 45-RF is the rangefinder-coupled camera cammed to accommodate 120, 135, 150 and 180mm lenses.*

*All three accept holders, as well as 5x7" back adapters; extension rails and extension bellows for telephoto work, using lenses up to 600mm, as well as wide-angle bellows for wide-angle photography.*

*Designed to simplify handling and use of the camera, the variable swing and tilt movements, both front and back, can be easily set. This enables pictures to be taken quickly and almost effortlessly. The compact size and light weight of these cameras make them as easy to use in the field, as in the studio.*



### FEATURES

■ **Compact; black finish; all light die-cast alloy; folding field and technical camera**

■ **Diamond polished large lever knobs**

■ **Interchangeable bellows and extension rails**

■ **Opens and closes with one simple touch**

■ **Full revolving back with click stops**

Technical 45-VX (4503)  
With folding focusing hood and fresnel screen.  
Item # **WI45VX**.....**1,964.95**

Technical 45-RF (4501)  
Rangefinder camera with folding focusing hood and fresnel screen.  
Item # **WI45RF** .....**3,019.95**

Technical 45-SP (4502)  
Micro swing camera with folding focusing hood and fresnel screen.  
Item # **WI45SP** .....**2,089.95**

### VX, SP, RF SPECIFICATIONS

**TILTS:**  
Front 30°; Rear 105°

**SWINGS:**  
Front 30°

**RISE & FALL (COMBINED):**  
Front 2.2" (56mm)

**LATERAL SHIFT:**  
Front 3.1" (80mm)

**CAMERA BACK:**  
International Standard 4x5  
Revolving Back with 90°  
Click Stops

**FOCUSING SCREEN:**  
4x5 Groundglass with Grid  
Lines

**INTERCHANGEABLE BELLOWES:**  
Yes

**MINIMUM BELLOWES DRAW:**  
2" (51mm)

**MAXIMUM EXTENSION:**  
12" (300mm) with Optional  
Track

**TRACK LENGTH:**  
6.5" (164mm)

**MOVEMENTS:**  
Geared

**LENS:**  
Accepts all Lenses Mounted  
in #0 and #1 Shutters

**LENSBOARD:**  
Wista 96x99mm or Linhof  
Technika Type

**FOLDED DIMENSIONS:**  
VX: 180 x 197 x 100mm;  
SP: 180 x 197 x 105mm;  
RF: 215 x 197 x 100mm  
H.W.D.

**WEIGHT:**  
VX: 5.2 lbs. (2.4kg);  
SP: 6.3 lbs. (2.9kg);  
RF: 6.3 lbs. (2.9kg)

*Subject to change without notice*



### BODY ACCESSORIES

#### Bellows

**4x5 Standard Bellows** (4540)  
12", for Technical VX, SP, RF and DXIII. (Replacement.)  
**Item # WIBS45RF .....198.50**

**4x5 Wide-Angle Bellows** (4541)  
An ideal accessory for wide-angle photography, for maximum camera movements at minimum bellows extension. Due to flexible construction, the 4x5 wide-angle bellows is suitable for use with short and ultra short focal lenses. For Technical VX, SP and RF 4x5 cameras. Folds down to 1" (25mm) and extends to 6" (150mm).  
**Item # WIBWA45RF .....326.50**

**4x5 Wide-Angle Bellows** (4541A)  
For DXIII, VX, SP and RF 4x5 cameras. Requires recessed wide-angle lensboard (4544).  
**Item # WIBWADX3W...344.95**

4x5  
Wide-  
Angle  
Bellows  
(4541A)



**4x5 Long Bellows** (4542)  
24" (600mm), for DXIII, VX, SP and RF 4x5 cameras. Effective for long focus lenses or close-up photography. Requires additional bed tracks.  
**Item # WIBL45RF.....306.95**

*For additional extensions and extension bellows, see Front Accessories.*

#### Extension Tracks and Rails

**Extension Bed Track**  
**300mm** (4551)  
12", for Technical VX, SP and RF cameras, when using long bellows or extension bellows.  
**Item # WIEBT300.....137.95**

**Extension Bed Track**  
**460mm** (4550)  
18", for Technical VX, SP and RF cameras, when using long bellows or extension bellows.  
**Item # WIEBT460.....182.50**

**Tele-Macro Rail** (4576)  
For Technical VX, SP and RF cameras. Requires long bellows (4542).  
**Item # WIRTM45SP.....386.95**

**Extension Track and Frame** (4580)  
For DX, DXII and DXIII cameras. Track includes a front mounted frame, similar to a front standard on a rail camera, which is connected to a front extension bellows (4546). *See Front Accessories.* Front mounted frame will hold lensboard.  
**Item # WIETFDX.....559.95**

**Tele-Macro Rail for Linhof Technika** (4585)  
Same as above. Fits Linhof Technika cameras. Front extension bellows (4546) is required.  
**Item # WIRTMLT.....589.50**



Extension Bed Track 460 (4550)



Extension Bed Track 300 (4551)



### VIEWING ACCESSORIES

#### Groundglass

**4x5 Groundglass w/Grid Lines** (1214)  
**Item # WIGGR45.....41.95**

**4x5 Groundglass Plain** (1221)  
**Item # WIGG45Q.....29.95**

**4x5 Prot Glass Only Plain** (1240)  
**Item # WIPG45.....14.95**

**4x5 Protective Glass Only with Grid Lines** (1241)  
**Item # WIPGR45 .....29.95**

**4x5 Groundglass Fresnel** (1230)  
Fresnel with a protective glass. Increases brightness 3 to 4 times.  
**Item # WIF45.....104.50**

**5x7 Groundglass Plain** (1220)  
**Item # WIGG57Q.....34.95**

**8x10 Protective Groundglass with Grid Lines** (1219)  
**Item # WIGPR810 .....47.95**

**8x10 Groundglass Fresnel** (1229)  
Fresnel with a protective glass. Increases brightness 3 to 4 times.  
**Item # WIF810.....174.95**

Focusing hoods eliminate the necessity for a focusing cloth.

**4x5 Standard Folding Hood** (1110)  
Foldable hood, on hinges. Opens for loupe focusing. Also used to protect groundglass. Replacement for VX, SP and RF.  
**Item # WIFH45RF.....92.95**

**6x9 Standard Folding Hood** (1111)  
Same as above. For quick reducing adapter (4529) and rollfilm slide adapter (4530).  
**Item # WIFH69.....75.95**



4x5  
Monocular  
Reflex  
Hood  
(1000)

#### Focusing Hoods

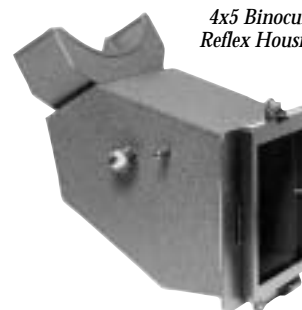
**Monocular Reflex Housing** is a 90° focusing hood with a built-in diopter. It enables upright images to be seen with one eye, for critical observation of the entire groundglass.

**4x5 Monocular Reflex Housing** (1000)  
For VX, SP and RF.  
**Item # WIMRH45VX ....184.95**

**4x5 Monocular Reflex Housing** (1002)  
For DX, DXII and DXIII.  
**Item # WIMRH45DX....184.95**

**4x5 Binocular Reflex Housing** (1001)  
For VX, SP and RF. A 45° focusing hood viewed with both eyes. Built-in diopter. Allows right-side-up viewing of the entire groundglass area. The brightest image is seen, especially when used with fresnel lens.  
**Item # WIBRH45VX .....393.95**

**4x5 Folding Focusing Hood** (4565)  
Right-side-up folding focusing hood for VX, SP and RF. Same features as above, plus bellows flexibility, allows for desired viewing angle. Can be folded for storage.  
**Item # WIFHRSU45SP ...319.95**



4x5 Binocular  
Reflex Housing

**4x5 Folding Focusing Hood** (4566)  
Right-side-up folding focusing hood for DX, DXII and DXIII.  
**Item # WIFHRSUDX.....319.95**



#### VIEWING ACCESSORIES, *continued*

#### Loupes and Focusing Cloths

Wista has created advanced focusing loupes for professional users. All loupes are constructed with 3 optical lenses, diopter correction adjustment and neck strap.

**5x Standard Focusing Loupe** (1046)  
5x magnification. Includes opaque dome for viewing back lighted subjects. With strap.  
**Item # WIL5X .....49.95**

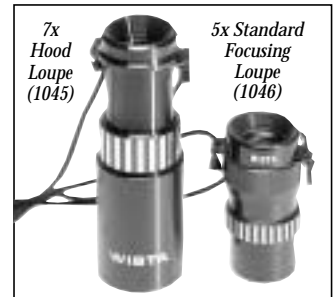
**4x Jumbo Loupe** (1047)  
70mm diameter covers 6x9cm wide area.  
**Item # WIL4X .....166.50**

**7x Hood Loupe** (1045)  
7x magnification. For cameras with folding hoods. Can be used when retracted. With strap.  
**Item # WIL7X .....94.95**

**6x9 All View Loupe** (1109)  
For rollfilm adapter (4530), or (4531). See *Rollfilm Backs and Adapters*.  
**Item # WIL69 .....217.50**

**Standard Focusing Cloth** (1070)  
With velcro. For 4x5 cameras.  
**Item # WIFCSQ .....56.95**

**Large Focusing Cloth** (1072)  
For larger cameras. Without velcro.  
**Item # WIFCLQ .....56.95**



#### BACK ACCESSORIES

#### Reducing Backs and Adapters

**8x10 to 4x5 Reducing Back** (4535)  
Reduces picture format from 8x10 to 4x5. Made of fine Cherrywood to match the DX 810 camera. Reducing back is placed on camera by removing 8x10 back. Includes a built-on 4x5 groundglass screen.  
**Item # WIRB81045Q .....472.50**

**8x10 to 5x7 Reducing Back** (4536)  
Same as above. Fits DX 810. Reduces picture format from 8x10 to 5x7.  
**Item # WIRB81057 .....472.50**

**4x5 to 5x7 Adapter Back** (4533)  
Same as above. Fits DX, DXII and DXIII. Upgrades 4x5 camera to a 5x7 camera.  
**Item # WIAB57DX .....444.95**

**4x5 to 5x7 Adapter Back** (4534)  
Same as above. Fits VX, SP and RF. Upgrades 4x5 to a 5x7 camera.  
**Item # WIAB57SP .....354.95**

**Quick 6x9 Reducing Adapter** (4529)  
4x5 to Graflock adapter. Allows 4x5 back to accept rollfilm holders with Graflock fittings.  
**Item # WIQRA6967 .....289.95**

#### Rollfilm Backs and Adapters

The Rollfilm Slide Adapter attaches to the back, instead of a 4x5 back. It has a groundglass focusing panel on one side and a rollfilm holder adapter on the other. *For 6x9 focusing hood, see Miscellaneous Viewing.* After focusing, it permits quick sliding of the film holder into place. It will accept Graflex, Wista, Mamiya RB and Horseman Graflock type rollfilm holders.

**Rollfilm Slide Adapter** (4530)  
For Technical SP.  
**Item # WISB45SP .....472.50**

**Rollfilm Slide Adapter** (4531)  
For Technical VX and RF.  
**Item # WISB45RF .....472.50**

**6x7 Rollfilm Back** (1032)  
120 film, 6x7cm, 10 exposures. Graflock back. For rollfilm slide adapter.  
**Item # WIFB67120SB .....329.95**

International Standard Rollfilm Backs (1033, 1034, 1035) for 4x5 cameras attach to the camera instead of to the 4x5 back. The rollfilm back is built onto a 4 1/4 x 6 1/4" (120x157mm) plate.



4x5 to 5x7 Adapter Back

**6x9 Rollfilm Back** (1031)  
120 film, 6x9cm, 8 exposures. Graflock back for rollfilm slide adapter.  
**Item # WIFB69120SB .....329.95**

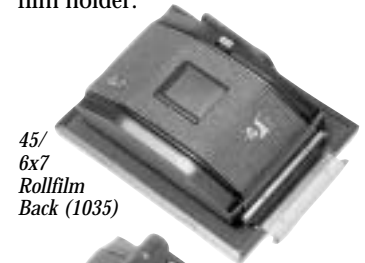
**6x9 Rollfilm Back** (1030)  
220 film, 6x9cm, 16 exposures. Graflock back. For rollfilm slide adapter.  
**Item # WIFB69220SB .....364.95**

**45/6x7 Rollfilm Back** (1035)  
120 film, 6x7cm, 10 exposures.  
**Item # WIFB67120G .....389.95**

**45/6x9 Rollfilm Back** (1034)  
120 film, 6x9cm, 8 exposures.  
**Item # WIFB69120G .....389.95**

**45/6x9 Rollfilm Back** (1033)  
220 film, 6x9cm, 16 exposures.  
**Item # WIFB69220G .....429.95**

International Standard Rollfilm Backs (1036, 1037) for 4x5 field cameras are used when the groundglass is not removed. The rollfilm back is built onto a 4 1/4 x 6 1/4" (120x157mm) plate and slides into the place of a cut film holder.



45/6x7 Rollfilm Back (1035)

Field 45/6x7 Rollfilm Back (1037)

**Field 45/6x7 Rollfilm Back** (1037)  
120 film, 6x7cm, 10 exposures.  
**Item # WIFB6745DX .....389.95**

**Field 45/6x9 Rollfilm Back** (1036)  
120 film, 6x9cm, 8 exposures.  
**Item # WIFB6945DX .....389.95**



### FRONT ACCESSORIES

#### Bellows Lens Hood

Bellows lens hoods are used to eliminate unwanted glare. Basic parts are made of aluminum alloy. They can be folded or extended to 5" (125mm) in front of the lens with simple screw-in installation. They swing up for replacement of lens and to control shutter and diaphragm.



**Bellows (Compendium) Lens Hood** (4511)  
For DX 4x5 cameras.  
**Item # WICH45DX.....179.95**

**Bellows (Compendium) Lens Hood** (4510)  
For Technical VX, SP and RF cameras.  
**Item # WICH45RF .....129.95**

#### Shutters and Cable Releases

The self-cocking interlock Wista/Copal-Press shutters are great for multiple exposures, and will automatically stop down the lens and close the shutter when a film holder is inserted.

**Wista/Copal Press Shutter #0** (9000)  
**Item # WIPS0.....182.50**

**Wista/Copal Press Shutter #1** (9001)  
**Item # WIPS1.....189.95**

**Wista/Copal Press Shutter Leica Mount** (9002)  
Enlarging lenses can be used for regular work and extreme close-ups with the Wista/Copal-Press shutter with Leica (39mm) mount.  
**Item # WIPSL.....218.50**

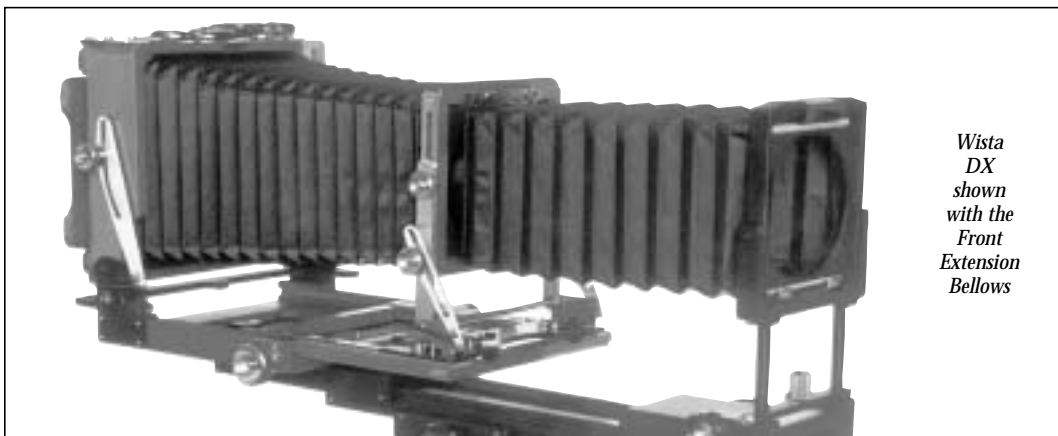
**Custom Aperture Scales** (9003)  
For above shutter.  
**Item # WICS.....49.95**

**20" (50cm) Cable Release** (1053)  
**Item # WICR20.....19.95**

**Shutter Interlock Cable** (1051)  
**Item # WISILC.....27.95**

#### Front Extension Bellows

**Front Extension Bellows** (4546)  
For Wista DX, DXII and DXIII 4x5, and Linhof Technika cameras. The Front Bellows extension allows the use of telephoto or macro lenses for greater extension. Requires the use of extension track and frame (4580) for Wista cameras, and tele macro rail (4585) for Linhof Technika cameras.  
**Item # WIBEDX.....219.95**



Wista  
DX  
shown  
with the  
Front  
Extension  
Bellows

#### 96 x 99mm Lensboards For All 4x5 Cameras

**Flat Lensboard Blank** (4518)  
**Item # WILBBQ.....39.95**

**Flat Lensboard #0** (4516)  
Cut for #0 hole.  
**Item # WILB0.....39.95**

**Flat Lensboard #1** (4517)  
Cut for #1 hole.  
**Item # WILB1.....39.95**

**Recessed Lensboard Blank** (4544)  
For wide-angle lenses.  
**Item # WILBRDX3W ....213.95**

**Recessed Lensboard #0** (4526)  
With cable release adapter.  
For wide-angle lenses. Cut for #0 hole.  
**Item # WILBR0.....227.95**

**Erected Lensboard #0** (4521)  
For telephoto lenses. Cut for #0 hole.

**Item # WILBE0 .....75.95**

**Erected Lensboard #1** (4522)  
For telephoto lenses. Cut for #1 hole.  
**Item # WILBE1 .....75.95**

**Erected Lensboard #3** (4523)  
For telephoto lenses. Cut for #3 hole.  
**Item # WILBE3 .....104.50**

**Telephoto Extension Ring on Lensboard** (4570)  
Allows greater extension on lens. Suitable for macro lenses, as well. Includes #0, #1 and #3 shutter adapters.  
**Item # WITERS.....229.95**

#### Wooden 139 x 139mm Lensboards For 8x10 Field Cameras

**Flat Lensboard Blank** (4525)  
**Item # WILB810B .....48.95**

**Flat Adapter Board** (4524)  
Permits lenses mounted on Wista or Technika lensboards to be used on Wista Field 8x10 camera.  
**Item # WILBA81045 .....113.95**



For more Lensboards,  
see **Sinar or Horseman Lensboards.**





# The Professional Photo SourceBook

## Section 3b

### LargeFormat – View

Arca Swiss .....	158-169
Horseman .....	170-179
Linhof .....	180-197
Sinar .....	198-217
Toyo .....	218-228

# ARCA SWISS

## DISCOVERY 4x5 SYSTEM

Arca Swiss cameras are more than the sum of their parts. Each and every model gives you an entry into the Arca system, allowing you access to the most complete line of professional accessories available. Designed by working photographers, this modular system allows you to add components as needed, giving you the freedom to purchase what you need when you need it. In addition, Arca Swiss cameras are ergonomically designed, allowing the photographer to control perspective and depth-of-field accurately. And Arca has devised a fail-safe (and foolproof) system for attaching the lensboard bellows and camera back.



Arca Swiss  
Discovery

The affordable Arca Discovery is an economical introduction to the Arca Swiss system. In spite of its low cost, the light-weight Discovery shares many of the unique features that Arca cameras are renowned for (plus a few of its own). The Discovery is also compatible with most Arca system accessories, such as rails, viewers, hoods, masks, rollfilm holders and more.

### FEATURES

- Precision micro gear focusing
- Superfluous refocusing after parallel displacements
- Yaw-free movements
- Arca system compatibility
- Made of lightweight metal alloys
- Precision Swiss construction
- Includes Rucksack case
- Built-in  $\frac{1}{4}$  and  $\frac{3}{8}$  tripod sockets

Arca Swiss 4x5 Discovery Camera (0210445)  
Consists of: 30cm monorail (041130), monorail attachment piece  $\frac{3}{8}$ ", Function Carrier Front (Discovery), Function Carrier Back (Discovery), Format Frame Front (Discovery), Format Frame Back (Discovery), standard 38cm bellows (72040), film and groundglass holder 4x5, fresnel lens and Arca Swiss nylon backpack.  
Item # ARD45K.....1,344.95

### DISCOVERY SPECIFICATIONS

TYPE:  
Front: 70°; Rear: 70°

SWINGS:  
Front: 90°; Rear: 90°

RISE AND FALL  
(COMBINED):  
Front: 3.9" (100mm)  
Rear: 3.9" (100mm)

LATERAL SHIFT:  
Front: 3.9" (100mm)  
Rear: 3.9" (100mm)

CAMERA BACK:  
International Standard  
4x5"

FOCUSING SCREEN:  
4x5 Fresnel

INTERCHANGEABLE  
BELLOWS:  
Yes

MINIMUM BELLOWS  
DRAW:  
2.95" (75mm)

MAXIMUM EXTENSION:  
15" (30cm)

MONORAIL LENGTH:  
11.8" (30cm)

YAW FREE BASE TILT:  
Yes

LENSBOARD:  
171mm x 171mm  
recessed

DIMENSIONS:  
11.8 x 8.7 x 13"  
(30 x 22 x 33cm) L.W.H.

WEIGHT:  
5 lbs. (2.3kg)

Subject to change without notice

# ARCA SWISS

## F - LINE 6 x 9 c m S Y S T E M

*The Arca Swiss 6x9 is a high quality, easily transportable full featured monorail camera. The camera is externally compact and the C model designates a monorail that folds in half for easy storage. Ergonomically designed, it features full movements. All movements can be effortlessly locked with easy-to-use round knobs that never stick. Standard rails are 11.8" (30cm) long and expandable. Cameras can be assembled quickly and easily. The front and rear standards rise on geared blocks on the monorail (which mounts on any tripod. The entire viewing system has been designed for maximum control. It is also compatible with most Arca system accessories such as rails, viewers, hoods, masks, rollfilm holders and more.*



*F-Line camera shown with optional lens and lensboard*

VIEW CAMERAS

159

### FEATURES

- Medium format camera with view camera movements
- Ultra compact design
- Assembles as easily as a field camera
- Folds smaller than some medium format cameras
- Full modular system
- Flexible soft pleated leather bellows
- Micro focusing track
- Upgradeable to 4x5, 5x7 or 8x10
- Adaptable to accept rollfilm holders
- Yaw-free movement
- Adaptable to electronic imaging

#### F-Line Camera (011000)

Consists of #043130 Optical Bench Telescopic 30cm, #052000 Function Camera F-Line front, #052001 Function Camera F-Line rear, #061000 Format Frame 6x9 F-Line front, #061001 Format Frame 6x9 F-Line, #080003 Groundglass Holder 6x9 F-Line with Fresnel (direct connection) and #071000 Universal Bellows 6x9 20cm leather.

Item # AR69F .....2,928.95

#### F-Line C

#### Compact Camera (011001)

Consists of #044130 Monorail 30cm collapsible (including extension bracket 8.5cm), #052000 Function Camera F-Line front, #052001 Function Camera F-Line rear, #061000 Format Frame 6x9 F-Line rear, #080003 Groundglass Holder 6x9 F-Line with Fresnel (direct connection) and #071000 Universal Bellows 6x9 20cm leather.

Item # AR69FC .....3,079.95

### F-LINE AND F-LINE COMPACT SPECIFICATIONS

#### TILTS:

Front: 60°; Rear 60°

#### SWINGS:

Front: 90°; Rear 90°

#### RISE AND FALL (COMBINED):

Front: 2.8" (70mm)  
Rear: 2.8" (70mm)

#### LATERAL SHIFT:

Front: 3.9" (70mm)  
Rear: 3.9" (70mm)

#### CAMERA BACK:

Optional #080001 International Back 6x9 for sheet film, or optional #08002 Adapter to attach roll film graflock type holders

#### INTERCHANGEABLE BELLOWS:

Yes

#### MINIMUM BELLOWS DRAW:

1.7" (43mm)

#### MAXIMUM BELLOWS

#### EXTENSION:

7.9" (20cm)

#### MONORAIL LENGTH:

17.7" (45cm) F-Line 6x9  
14" (38.5cm) F-Line 6x9 C Biaxial

#### YAW FREE BASE TILT:

Yes

#### LENSBOARD:

Arca 110x110mm Flat or Recessed

#### DIMENSIONS:

F-Line (011000):  
11.8 x 6.3 x 10"  
(30 x 16 x 25cm)

F-Line Compact (011001)  
6.5 x 6.3 x 10"  
(16.5 x 16 x 25cm)  
L.W.H.

#### WEIGHT:

5 lbs. (2.3kg)

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# ARCA SWISS

## F-LINE 4x5, 5x7, 8x10 SYSTEM

F-Line  
8x10 shown at  
minimum focusing  
with optional  
lensboard  
and lens



*The Arca Swiss F-Line cameras are made for dynamic shooting and give you true large-format capacity. The front standard is very large, accepting an oversized lensboard, allowing for maximum lensboard adaptations. The fine calibrated control blocks are easily accessible, offering focusing on your right and camera movements on your left. The basic split-rail feature offers a built-in extension up to 460mm and easy camera displacement without moving the tripod. The unlimited vertical swing movement allows the camera to be packed flat, making it a truly compact piece of equipment. With the C Model cameras, storage is made even easier due to the monorail that folds in half. The monorail itself slides into a dovetailed rail clamp that screws to the tripod or can be mounted to an optional Arca style ball head.*

### FEATURES

- **Lightweight and easy to handle camera systems**
- **Separate knobs for all controls**
- **Same function carrier for 6x9 up to 8x10**
- **Vertical axis swings for yaw-free Full modular system**
- **Assembles as easily as a field camera**
- **Convertible to 6x9, 4x5, 5x7 and 8x10**
- **Large rubberized control knobs**
- **Full Modular System**

#### 5x7 Cameras

**F-Line 5x7 Camera (013000)**  
Consists of #043140 Optical Bench Telescopic 40cm, #052000 Function Carrier F-Line front, #052001 Function Carrier F-Line rear, #062000 Format Frame F-Line 4x5 front, #062021 Format Frame F-Line 5x7 rear, #088012 Film and Groundglass Holder 5x7 F/M Line with Fresnel and #075000 Bellows 5x7 F/M Standard 50cm synthetic conical.  
**Item # AR57F.....3,856.95**

**F-Line C 5x7 Compact Camera (013001)**  
Consists of #044140 Monorail, 40cm collapsible (including extension bracket), #052000 Function Carrier F-Line front, #052001 Function Carrier F-Line rear, #062000 Format Frame F-Line 4x5 front, #062021 Format Frame F-Line 5x7 rear, #088012 Film and Groundglass Holder 5x7 F/M Line with Fresnel and #075000 Bellows 5x7 F/M Standard 50cm synthetic conical.  
**Item # AR57FC.....4,019.95**

#### 4x5 Cameras

**F-Line B 4x5 Basic Camera (010001)**  
Consists of Extension Bracket 8.5cm (042108), Monorail unit 0-40cm (041140), Function Carrier F-Line B front (051000), Function Carrier F-Line B rear (051001), Format Frame F-Line 4x5 front (062000), Format Frame F-Line 4x5 rear (062001), Film and Groundglass Holder 4x5 with Fresnel (080010) and Bellows 4x5 F/M Standard 38cm synthetic (072040).  
**Item # AR45BF.....1,889.95**

**F-Line 4x5 Camera (012000)**  
Consists of Optical Bench Telescope 30cm (043130), Function Carrier F-Line front (052000), Function Carrier F-Line rear (052001), Format Frame F-Line 4x5 front (062000), Format Frame F-Line 4x5 rear (062001), Film and Groundglass Holder 4x5 F/M-Line (080007) with Fresnel and Bellows 4x5 F/M Standard 38cm synthetic (072040).  
**Item # AR45F.....2,499.95**

**F-Line C 4x5 Compact Camera (012001)**  
Consists of Monorail 40cm collapsible (044140) (including extension bracket), Function Carrier F-Line front (052000), Function Carrier F-Line rear (052001), Format Frame F-Line 4x5 front (062000), Format Frame F-Line 4x5 rear (062001), Film and Groundglass Holder 4x5 F/M-Line (080007) with Fresnel and Bellows 4x5 F/M Standard 38cm synthetic (072040).  
**Item # AR45FC.....2,654.95**

#### 8x10 Cameras

**F-Line 8x10 Camera (014000)**  
Consists of #043150 Optical Bench Telescopic 50cm, #052000 Function Carrier F-Line front, #052001 Function Carrier F-Line rear, #062000 Format Frame F-Line 4x5 front, #062031 Format Frame F-Line 8x10 rear, #088013 Film and Groundglass Holder 8x10 F/M Line with Fresnel, #076000 Bellows 8x10 F/M Standard 50cm synthetic conical.  
**Item # AR810F.....4,169.95**

**F-Line C 8x10 Compact (014001)**  
Consists of #044150 Monorail 50cm collapsible (including extension bracket), #052000 Function Carrier F-Line front, #052001 Function Carrier F-Line rear, #062000 Format Frame F-Line 4x5 front, #062031 Format Frame F-Line 8x10 rear, #088013 Film and Groundglass Holder 8x10 F/M Line with Fresnel, #076000 Bellows 8x10 F/M Standard 50cm synthetic conical.  
**Item # AR810FC.....4,302.50**

**New!**

**Metric  
Cameras  
available**

*Please inquire*





# ARCA SWISS

## F - LINE SYSTEM

VIEW CAMERAS

161

### F-LINE (4x5, 5x7, 8x10) CAMERA SPECIFICATIONS

F-LINE CAMERA		4x5	5x7	8x10
Tilts:		Front: 70°; Rear: 70°	Front: 70°; Rear: 70°	Front: 70°; Rear: 70°
Rise and Fall (Combined)		Front: 3.9" (100mm); Rear: 3.9" (100mm)	Front: 3.9" (100mm); Rear: 3.9" (100mm)	Front: 3.9" (100mm)
Lateral Shift		Front: 3.9" (100mm); Rear: 3.9" (100mm)	Front: 3.9" (100mm); Rear: 3.9" (100mm)	Front: 3.9" (100mm); Rear: 3.9" (100mm)
Camera Back		Int'l Std 4x5"	Int'l Std 5x7"	Int'l Std 8x10"
Focusing Screen		Fresnel 4x5	Fresnel 4x5	Fresnel 8x10
Interchangeable Bellows		Yes	Yes	Yes
Minimum Bellow Draw Std		3" (75mm)	2.6" (65mm)	2.6" (65mm)
Maximum Extension		15" (38cm)	19.7" (50cm)	25.6" (65cm)
Monorail Length	Basic:	15.7" (40cm)	-	-
	Regular:	11.8-17.7" (30-45cm)	15.7-23.6" (40-60cm)	19.7-29.5" (50-75cm)
	Collapsible:	15.7" (40cm)	19.7" (50cm)	19.7" (50cm)
Yaw Free Base Tilt		Bi-Axial	Bi-Axial	Bi-Axial
Lensboard		171x171mm; (110x110 on 4x5 Field Camera)	171x171mm	171x171mm
Dimensions L.W.H.		(010001): 16x8.7x13" (41x22x33cm)	(013000): 16x9.8x14.3" (41x25x36.3cm)	(014000): 20x12.5x17.3" (50x32x44cm)
		(012000): 11.8x8.7x12.5" (30x22x32cm)	(013001): 8.5x25x36.3" (21.6x65x36.3cm)	(0114001): 10.5x12.5x17.3" (27x32x44cm)
		(012001): 8.5x8.7x12.5" (21x22x32cm)		
Weight	Basic:	7.5lbs. (3.4kg)	-	-
	Regular:	7.3lbs. (3.3kg)	8.8lbs (4kg)	10.1lbs. (4.6kg)
	Compact	7lbs. (3.2kg)	8.2lbs. (3.7kg)	9.9lbs. (4.5kg)

*Subject to change without notice*

### Electronic Cameras

Com-Cameras have electronic sensors in the function carrier which calculate tilt and swing angles as well as depth-of-field with an optional camera computer eidos. The microlink digital shutter and the screen integrated metering groundglass can be connected to the camera computer. Com cameras are similar to the regular models, but have a jack which can be connected to the camera computer.

#### F-Line Com 6x9 Camera (011000C)

Consists of the same as F-line 6x9 camera #011000, but with #052001C Function Carrier F-Line Com rear.

**Item # AR69FCQ.....3,593.95**

#### F-Line C Com 6x9 Camera (011001C)

Consists of the same as F-Line 6x9 camera #011001, but with #052001C Function Carrier F-Line Com rear.

**Item # AR69FCC.....3,744.95**

#### F-Line B Com 4x5 Camera (010001C)

Consists of the same as F-Line 4x5 basic camera #010001, but with #051001C Function Carrier F-Line B Com rear.

**Item # AR45BRFC.....2,554.95**

#### F-Line Com 4x5 Camera (012000C)

Consists of the same as F-Line 4x5 camera #012000, but with #052001C Function Carrier F-Line Com rear.

**Item # AR45FCQ.....3,116.50**

#### F-Line C Com 4x5 Camera (012001C)

Consists of the same as F-Line 4x5 C camera #012001, but with #052001C Function Carrier F-line Com rear.

**Item # AR45FCC.....3,285.95**

#### F-Line Com 5x7 Camera (013000C)

Consists of the same as F-Line 5x7 camera #013000, but with #052001C Function Carrier F-Line com rear.

**Item # AR57FCQ.....4,521.95**

#### F-Line C Com 5x7 Camera (013001C)

Consists of the same as F-Line 5x7 C camera #013001, but with #052001C Function Carrier F-Line Com rear.

**Item # AR57FCC.....4,684.95**

#### F-Line Com 8x10 Camera (014000C)

Consists of the same as F-Line 8x10 camera #014000, but with #052001C Function Carrier F-Line Com rear.

**Item # AR81FCQ.....4,834.95**

#### F-Line C Com 8x10 Camera (014001C)

Consists of the same as F-Line 8x10 C camera #014001, but with #052001C Function Carrier F-Line Com rear.

**Item # AR81FCC.....4,967.50**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# ARCA SWISS

## M-LINE MONOLITH 6x9, 4x5, 5x7, 8x10 SYSTEM

M-Line  
Monolith 4x5  
shown with  
optional electronic  
modules and  
monorail



*The M-Line is the incorporation of a single rise/fall adjustment located on the main carrier, rather than dual controls on the standard bearers.*

*All the M-Line's functions are concentrated on each standard's carrier or runner which not only clusters the controls together for convenience, but positions most of the camera's weight closer to the monorail and away from the standards.*

*The carriers are block-like in appearance, each drive mechanism being encased in its own housing so that when everything is zeroed you are virtually looking at what seems to be a one-piece module, although it incorporates five movements. The smooth matte black finish and laser engraved markings merely heighten the impression of exceptional precision and refinement to the extent the carriers are works of engineering art all by themselves.*

*The real beauty of the Arca carriers is the velvety smoothness of each movement. The micrometer drives simply glide along their cogged rails with the adjustment knobs providing just the right amount of feel to ensure precise setting. Even the tilt adjuster perched on the lens standard's bearer is gear driven and all but the fine focus control are friction locked, eliminating the need for a separate knob to perform this duty.*

*With the Arca M you simply dial in the desired setting and that is all there is to it. Any further minor adjustments are performed by simply twiddling the appropriate control.*

*The controls themselves all have ribbed rubberized circumferences which afford a secure grip. Positive click-stops mark the zero or central position of each displacement while both the base tilt and swing movements have additional click-stops as you progress through defined angles.*

*The M-Line Monolith is extremely well thought out. For starters, each knob has one explicit function so there is neither room for confusion nor fumbling. They are logically arranged with the tilt and swing knobs on the left, while those for displacement (lateral shift and rise/fall) are located on the right. With the reflex viewing hood attached to the rear standard, this view camera is almost as quick and easy to set up as any medium format SLR.*

*Its triaxially yaw free movements allow precise focusing compensation on planes askew to the rail unit. There is no yaw even when an indirect parallel displacement is applied to the standards along with a change in depth-of-field about the horizontal tilt axis.*

*Arca's M-Line yaw free arrangement is derived from having the vertical swing axis located between two horizontal tilt axes, which gives rise to an operational sequence of vertical swing followed by horizontal tilt, thereby eliminating yawing of the format frame.*

# A R C A S W I S S

## M - L I N E S Y S T E M

### M-Line Monolith 6x9 Camera (018100)

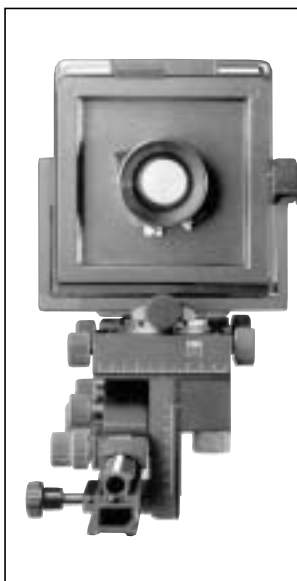
Consists of #043140 Optical Bench Telescopic 40cm, #055000 Function Carrier M-Line Monolith front, #055001 Function carrier M-Line Monolith rear, #063001 Format Frame M-Line Monolith 6x9 front, #063002 Format Frame M-Line Monolith 6x9 rear, #080003 Groundglass Holder 6x9 F-Line with Fresnel (direct connection), #071001 Bellows 6x9 Standard 24cm synthetic and #080002 Roll film Holder adapter.

**Item # AR69M.....4,264.95**

### M-Line Monolith 4x5 Camera (018200)

Consists of #043140 Optical Bench Telescopic 40cm, #055000 Function Carrier M-Line Monolith front, #055001 Function Carrier M-Line Monolith rear, #063022 Format Frame M-Line Monolith 4x5 triaxial front, #063021 Format Frame M-Line Monolith 4x5 rear, #080007 Film and Groundglass Holder 4x5 F/M Line with Fresnel and #072040 Bellows 4x5 F/M Standard 38cm synthetic.

**Item # AR45M.....4,739.95**



### M-Line Monolith 5x7 Camera (018300)

Consists of #043150 Optical Bench Telescopic 50cm, #055000 Function Carrier M-Line Monolith front, #055001 Function Carrier M-Line Monolith rear, #063022 Format Frame M-Line Monolith 4x5 triaxial front, #063030 Format Frame M-Line Monolith 5x7 rear, #088012 Film and Groundglass Holder 5x7 F/M Line with Fresnel and #075000 Bellows 5x7 F/M Standard 50cm synthetic conical.

**Item # AR57M.....6,354.95**

### M-Line Monolith 8x10 Camera (018400)

Consists of #043150 Optical Bench Telescopic 50cm, #055000 Function Carrier M-Line Monolith front, #055001 Function Carrier M-Line Monolith rear, #063022 Format Frame M-Line Monolith 4x5 triaxial front, #063040 Format Frame M-Line Monolith 8x10 rear, #088013 Film and Groundglass Holder 8x10 F/M Line with Fresnel and #076000 Bellows 8x10 F/M Standard 50cm synthetic conical.

**Item # AR810M.....6,769.95**

VIEW CAMERAS

163

### FEATURES

- **Two-part monorail designed to allow extremely rapid coarse focus-  
ing adjustments**
- **Friction lock micrometer drives**
- **Modular system**
- **Triaxial yaw free movements**
- **Oversized standards**
- **Convertible to 6x9, 4x5, 5x7 or 8x10**
- **Same function carrier for 6x9 to 8x10**

### M-LINE CAMERA SPECIFICATIONS

F-LINE CAMERA		6x9	4x5	5x7	8x10
Tilts	Front :	90°	90° + 60° Axis	90° + 60° Axis	90° + 60° Axis
	Rear:	90°	90°	90°	90°
Rise and Fall (Combined)	Front:	3.54" (90mm)	3.54" (90mm)	3.54" (90mm)	2.75" (70mm)
	Rear:	2.75" (70mm)	2.75" (70mm)	2.75" (70mm)	2.75" (70mm)
Lateral Shift	Front:	3.9" (100mm)	3.9" (100mm)	3.9" (100mm)	3.9" (100mm)
	Rear:	3.9" (100mm)	3.9" (100mm)	3.9" (100mm)	3.9" (100mm)
Camera Back		International Standard 6x9"	International Standard 4x5"	International Standard 5x7"	International Standard 8x10"
Focusing Screen		6x9 Fresnel	4x5 Fresnel	5x7 Fresnel	8x10 Fresnel
Interchangeable Bellows		Yes	Yes	Yes	Yes
Minimum Bellow Draw		2.6" (65mm)	3" (75mm)	2.6" (65mm)	2.6" (65mm)
Maximum Extension		9.4" (24cm)	15" (38cm)	19.7" (50cm)	19.7" (50cm)
Monorail Length		15.7-25.6" (40-65cm)	15.7-25.6" (40-65cm)	19.7-29.5" (50-75cm)	19.7-29.5" (50-75cm)
Yaw Free Base Tilt		Bi-Axial	Tri-Axial	Tri-Axial	Tri-Axial
Lensboard		110x110mm	171x171mm	171x171mm	171x171mm
Dimensions L.W.H.		16x6.5x12.5" (41x16.5x33cm)	16x9.8x14.5" (41x25x37cm)	20x9.8x16.2" (50x25x41cm)	20x12.5x19.5" (50x32x49.5cm)
Weight		9.9lbs. (4.5kg)	12.3lbs. (5.6kg)	14.1lbs. (6.4kg)	15.7lbs. (7.1kg)

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



## ELECTRONIC IMAGING

## Electronic Cameras

Com-Cameras have electronic sensors in the function carrier (F-Line or M-Line) which can calculate tilt and swing angles as well as depth-of-field with an optional camera computer eidos. Furthermore, the microlink digital shutter and the screen integrated metering (SIM) groundglass can be connected to the camera computer. Com cameras are similar to the regular models, but have a jack which can be connected to the camera computer.

**M-Line Monolith Com 6x9 Camera** (018100C)

Consists of the same as M-Line 6x9 camera #018100, but with #055001C Function Carrier M-Line Monolith Com rear.

**Item # AR69MC.....4,929.95**

**M-Line Monolith Com 4x5 Camera** (018200C)

Consists of the same as M-Line 4x5 camera #018200, but with #055001C Function Carrier M-Line Monolith Com rear.

**Item # AR45MC.....5,404.95**

**M-Line Monolith Com 5x7 Camera** (018300C)

Consists of the same as M-Line 5x7 camera #018300, but with #055001C Function Carrier M-Line Monolith Com rear.

**Item # AR57MC.....7,019.95**

**M-Line Monolith Com 8x10 Camera** (018400C)

Consists of the same as M-Line 8x10 camera #018400, but with #055001C. Function Carrier M-Line Monolith Com rear.

**Item # AR810MC.....7,434.95**

## Electronic Modules

**Edios with Software Shutter Control and Lightmetering Control** (90101)

**Item # ARE.....2,149.95**

**Module Holder Edios** (90241)

**Item # ARMHE.....349.50**

**Sim 6x9**
**Groundglass Holder** (90400)

**Item # ARSGGH69.....862.50**

**Sim 4x5 Groundglass Holder** (90420)

**Item # ARSGGH45.....862.50**

*M-Line Monolith 4x5" shown with  
SIM (screen integrated metering)  
Microlink (digital shutter)  
Eidos (camera computer)  
COM (function carrier with sensor)  
on an Arca Ball Head*

**Microlink 0 Shutter** (90600)

**Item # ARSML0.....1,134.50**

**Microlink 1 Shutter** (90620)

**Item # ARSML1.....1,134.50**



## BODY ACCESSORIES

## Function Carriers

**Function Carrier**
**F-Line B Front** (051000)

**Item # ARFCFFB.....599.50**

**Function Carrier**
**F-Line B Rear** (051001)

**Item # ARFCRFB.....599.50**

**Function Carrier**
**F-Line B Com Rear** (051001C)

**Item # ARFCRFB.....1,264.50**

**Function Carrier**
**F-Line Front** (052000)

**Item # ARFCFF.....659.95**

**Function Carrier F-Line Rear**

(052001)

**Item # ARFCRF.....659.95**

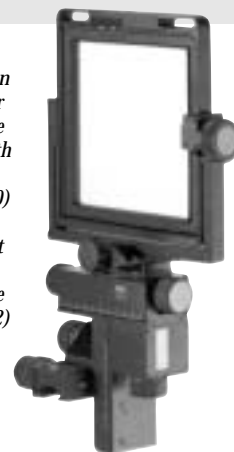
**Function Carrier**
**F-Line Com Rear** (052001C)

**Item # ARFCRFC.....1,325.95**

**Function Carrier M-Line Monolith Front** (055000)

**Item # ARFCFM.....2,364.95**

*Function  
Carrier  
M-Line  
Monolith  
Front  
(055000)  
with  
Format  
Frame  
M-Line  
(063022)*


**Function Carrier**
**M-Line Monolith Rear** (055001)

**Item # ARFCRM.....2,364.95**

**Function Carrier M-Line**
**Monolith Com Rear** (055001C)

**Item # ARFCRMC.....3,029.95**



## CAMERA OUTFITS

**F-Line C**
**6x9 Traveller Kit** (0222369)

Consists of #011001 F-Line C 6x9 camera, #140012 Leather Case and #611016 6x9 Roll Film Holder with adapter.

**Item # AR69FCTK.....4,081.95**

**F-Line**
**4x5 Basic Kit** (0220245)

Consists of F-Line B 4x5 camera (010001) and Case "Duo" (140006).

**Item # AR45BFK.....2,203.95**

**F-Line 4x5 Kit** (0221245)

Consists of F-Line 4x5 camera (012000) and #140005 4x5 Case "Eco".

**Item # AR45FK.....2,814.95**

**M-Line 4x5 Kit** (0231245)

Consists of M-Line 4x5 camera (018200), 4x5 Case "Eco" (14005), Bellows Lens Hood 4x5 with rod (111001), Reflex Magnifying Viewer 4x5 (161004) and eye cap for above (161013).

**Item # AR45MPK.....6,036.95**

## Multipurpose Standards

Capable of parallel shifts, swings and tilts. They can be used as a multi-purpose standard, professional lens shade, or bellows support for long extensions.

**Multipurpose**
**Standard 6x9** (031069)

**Item # ARSMP69.....717.95**

**Multipurpose**
**Standard 4x5** (031045)

**Item # ARSMP45.....664.95**



# ARCA SWISS SYSTEM



## BODY ACCESSORIES, *continued*

### Format Frames

Format Frame F-Line 6x9 Front (061000)  
**Item # ARFF69F.....679.95**

Format Frame F-Line 6x9 Rear (061001)  
**Item # ARFF69R.....679.95**

Format Frame F-Line 4x5 Front (062000)  
**Item # ARFF45F.....638.50**

Format Frame F-Line 4x5 Rear (062001)  
**Item # ARFF45R.....638.50**

Format Frame F-Line 8x10 Rear (062031)  
**Item # ARFF810F.....946.95**

Format Frame M-Line  
Monolith 6x9 Front (063001)  
**Item # ARFF69M.....378.95**

Format Frame M-Line  
Monolith 6x9 Rear (063002)  
**Item # ARFF69M.....378.95**

Format Frame M-Line  
Monolith 4x5 Rear (063021)  
**Item # ARFF45M.....494.95**

Format Frame M-Line  
Monolith 4x5 Triaxial Front (063022)  
**Item # ARFF45M.....939.95**

*Function  
Carrier  
F-Line  
(051000)  
with Format  
Frame F-Line  
(062000)*



Extender for  
Front Format Frame 8x10 (069000)  
**Item # ARFFE810.....237.95**

### Monorail Units

Monorail II 0-15cm (041115)  
0-5.9" (0-15cm).  
**Item # ARMR15.....119.50**

Monorail II 0-20cm (041120)  
0-7.9" (0-20cm).  
**Item # ARMR20.....139.50**

Monorail II 0-25cm (041125)  
0-9.8" (0-25cm).  
**Item # ARMR25.....159.95**

Monorail II 0-30cm (041130)  
0-11.8" (0-30cm).  
**Item # ARMR30.....192.95**

Monorail II 0-40cm (041140)  
0-15.7" (0-40cm).  
**Item # ARMR40.....239.95**

Monorail II 0-50cm (041150)  
0-19.7" (0-50cm).  
**Item # ARMR50.....339.95**

Monorail Stopper Kit II (041202)  
**Item # ARSKM.....16.95**

Monorail Extension II 25cm (041225)  
9.8" (25cm).  
**Item # ARMRE25.....262.95**

### Optical Benches Telescopic

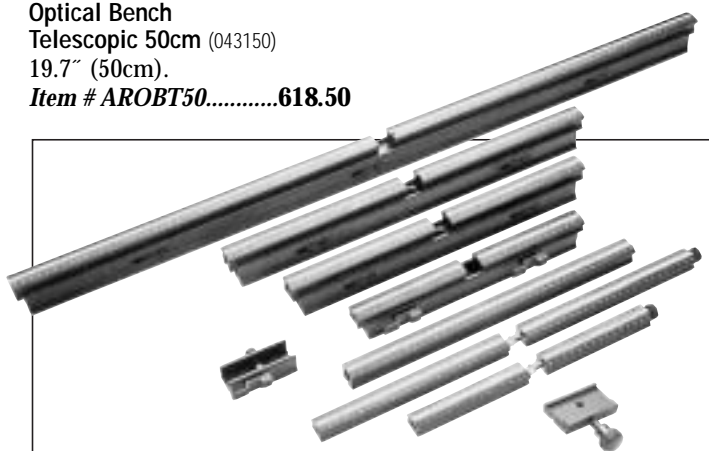
Optical Bench  
Telescopic 30cm (043130)  
11.8" (30cm).  
**Item # AROBT30.....447.50**

Optical Bench  
Telescopic 40cm (043140)  
15.7" (40cm).  
**Item # AROBT40.....559.95**

Optical Bench  
Telescopic 50cm (043150)  
19.7" (50cm).  
**Item # AROBT50.....618.50**

Optical Bench  
Telescopic 80cm (043180)  
31.5" (80cm).  
**Item # AROBT80.....965.95**

Optical Bench  
Telescopic 100cm (043199)  
39.4" (100cm).  
**Item # AROBT100.....1362.50**



*Assorted Monorail Units, Optical Benches  
Telescopic, and Extension Brackets*

### Extension Brackets

Extension  
Bracket II 85mm (042108)  
33.5" (85mm).  
**Item # AREB8.5.....114.95**

Extension  
Bracket II 300mm (042130)  
11.8" (300mm).  
**Item # AREB30.....237.50**

Extension  
Bracket II 400mm (042140)  
15.7" (400mm).  
**Item # AREB40.....297.50**

Extension  
Bracket II 500mm (042150)  
19.7" (500mm).  
**Item # AREB50.....336.50**

Extension  
Bracket II 800mm (042180)  
31.5" (800mm).  
**Item # AREB80.....534.95**

Extension  
Bracket II 1000mm (042199)  
39.4" (1000mm).  
**Item # AREB100.....669.95**

### Optical Benches Collapsible

Monorail 30cm Collapsible (044130)  
11.8" (30cm). Includes extension bracket.  
**Item # ARMRC30.....429.50**

Monorail 40cm Collapsible (044140)  
15.7" (40cm). Includes extension bracket.  
**Item # ARMRC40.....498.95**

Monorail 50cm Collapsible (044150)  
19.7" (50cm). Includes extension bracket.  
**Item # ARMRC50.....556.50**

VIEW CAMERAS

165



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



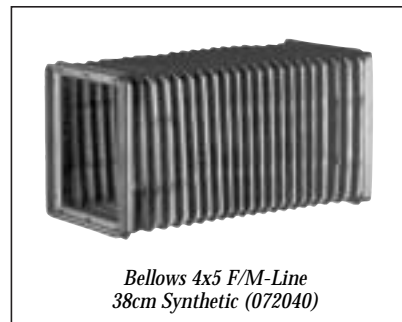
### BODY ACCESSORIES, *continued*

#### Bellows



*Bellows can also be used as a viewing accessory. See Viewing Accessories*

The Arca system features different bellows for every application. Virtually all of them can be employed as lens shades or groundglass viewing screens. Square universal bellows is standard with all Arca cameras. This versatile bellows can also be used with Multipurpose standards to increase camera extension for 4x5, 5x7, and 8x10 formats. The wide-angle bellows are used with shorter lenses. This "Bag Bellows" lets you use full camera movements at short extensions. Bellows are offered in synthetic or leather material.



*Bellows 4x5 F/M-Line 38cm Synthetic (072040)*

#### Bellows 6x9

**Universal Bellows 6x9 20cm Leather (071000)**  
Maximum length: 7.9" (20cm); minimum length: 1.7" (43mm).  
**Item # ARBU69.....377.95**

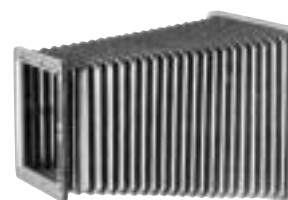
**Bellows 6x9 24cm Synthetic (071001)**  
Maximum length: 9.5" (24cm); minimum length: 2.6" (65mm).  
**Item # ARBS69.....209.95**

**Wide-Angle Bellows 6x9 15cm Leather (071010)**  
Maximum length: 5.9" (15cm); minimum length: 1.7" (43mm).  
**Item # ARBWA69.....329.95**

**Bellows 6x9 50cm Synthetic (071025)**  
Maximum length: 20" (50cm); minimum length: 4.7" (120mm).  
**Item # ARBL69.....308.95**

#### Bellows 5x7

**Bellows 5x7 F/M-Line 50cm Synthetic Conical (075000)**  
Maximum length: 20" (50cm); minimum length: 2.6" (65mm).  
**Item # ARBS57.....389.50**



*Bellows 5x7 F/M-Line 50cm Synthetic Conical (075000)*

#### Bellows 6x9 - 4x5

**Wide-Angle Bellows 6x9-4x5 24cm Leather Conical (071030)**  
Maximum length: 9.5" (24cm); minimum length: 1.7" (43mm).  
**Item # ARBWA6945.....435.95**

**Bellows 6x9-4x5 38cm Synthetic Conical (071031)**  
Maximum length: 15" (38cm); minimum length: 3" (75mm).  
**Item # ARBS6945.....321.95**

**Bellows 6x9-4x5 50cm Synthetic Conical (071032)**  
Maximum length: 20" (50cm); minimum length: 3.5" (90mm).  
**Item # ARBL6945.....379.95**

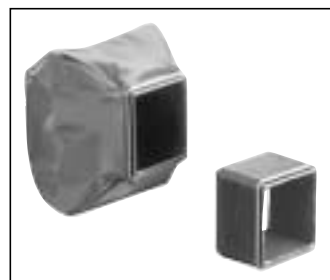
#### Bellows 4x5

**Bellows 4x5 F/M-Line 38cm Synthetic (072040)**  
Maximum length: 15" (38cm); minimum length: 3" (75mm).  
**Item # ARBS45.....263.95**

**Wide-Angle Bellows 4x5 F/M-Line 20cm Leather (072050)**  
Maximum length: 7.9" (20cm); minimum length: 1.9" (47mm).  
**Item # ARBWA45L.....389.95**

**Wide-Angle Bellows 4x5 F/M-Line 20cm Synthetic (072051)**  
Maximum length: 7.9" (20cm); minimum length: 1.7" (43mm).  
**Item # ARBWA45.....273.95**

**Bellows 4x5 F/M-Line 70cm Synthetic (072060)**  
Maximum length: 27.6" (70cm); minimum length: 4.7" (120mm).  
**Item # ARBL45.....266.95**



**Wide-Angle Bellows 5x7 25cm Leather Conical (075011)**  
Maximum length: 9.9" (25cm); minimum length: 2.2" (55mm).  
**Item # ARBWA57.....346.95**

**Bellows 5x7 F/M-Line 70cm Synthetic Conical (075001)**  
Maximum length: 27.6" (70cm); minimum length: 3.5" (90mm).  
**Item # ARBL57.....539.50**

#### Bellows 8x10

**Bellows 8x10 F/M-Line 50cm Synthetic Conical (076000)**  
Maximum length: 20" (50cm); minimum length 2.6" (65mm).  
**Item # ARBS810.....669.95**

**Bellows 8x10 F/M-Line 70cm Synthetic Conical (076001)**  
Maximum length: 27.6" (70cm); minimum length 3.5" (90mm).  
**Item # ARBL810.....808.50**

**Wide-Angle Bellows 8x10 F/M-Line 30cm Leather (076010)**  
Maximum length: 11.8" (30cm); minimum length 2.2" (55mm).  
**Item # ARBWA810L.....729.95**

**Wide-Angle Bellows 8x10 F/M-Line 30cm Synthetic Conical (076011)**  
Maximum length: 11.8" (30cm); minimum length 2.2" (55mm).  
**Item # ARBWA810.....609.95**

# ARCA SWISS SYSTEM



## BODY ACCESSORIES, *continued*

### Format Conversion F-Line

**Format Conversion Set F-Line 6x9** (011200)  
Converts any F-Line camera to 6x9 camera. Consists of #061000 Format Frame F-Line 6x9 front, #061001 Format Frame F-Line 6x9 rear, #080003 Groundglass Holder 6x9 F/M-Line with Fresnel for direct connection to format frame and #071000 Universal Bellows 6x9 20cm leather.  
**Item # ARFS69F .....1,422.95**

**Format Conversion Set F-Line 6x9-4x5 Wide-Angle** (011201)  
Converts 6x9 F-Line camera to wide-angle 4x5 camera. Consists of #062001 Format Frame F-Line 4x5 rear, #080007 Film and Groundglass Holder and #071030 Bellows 6x9-4x5 24cm leather conical.  
**Item # ARFS6945WAF .....1,404.95**

**Format Conversion Set F-Line 6x9-4x5 Standard** (011202)  
Converts 6x9 F-Line camera to standard 4x5 camera. Consists of #062001 Format Frame F-Line 4x5 rear, #080007 Film and Groundglass Holder 4x5 F/M-Line with Fresnel and #071031 Bellows 6x9-4x5 38cm synth conical.  
**Item # ARFS6945SF .....1,291.95**

**Format Conversion Set F-Line 4x5** (012190)  
Converts 5x7 or 8x10 F-Line camera to 4x5 camera. Consists of #062001 Format Frame F-Line 4x5 rear, #080007 Film and Groundglass Holder 4x5 F/M-Line with Fresnel and #072040 Bellows 4x5 F/M Standard 38cm synth.  
**Item # ARFS45F .....1,396.50**

**Format Conversion Set F-Line 5x7** (012200)  
Converts F-line 4x5 or 8x10 camera to 5x7 camera. Consists of #062021 Format Conversion Set F-Line 5x7 rear, #088012 Film and Groundglass holder 5x7 with Fresnel and #075000 Bellows 5x7 F/M Standard 50cm synth conical.  
**Item # ARFS57F .....2,348.50**

**Format Conversion Set F-Line 8x10** (012210)  
Converts F-Line 4x5 or 5x7 camera to 8x10 camera. Consists of #062031 Format Frame F-Line 8x10 rear, #088013 Film and Groundglass Holder 8x10 F/M-Line with Fresnel and #076000 Bellows 8x10 F/M Standard 50cm synth conical.  
**Item # ARFS810F .....2,746.50**

### Format Conversion M-Line

**Format Conversion Set M-Line Monolith 6x9** (011809)  
Converts any 4x5, 5x7 or 8x10 M-Line cameras to 6x9 camera. Consists of #063001 Format Frame M-Line Monolith 6x9 front, #063002 Format Frame M-line Monolith 6x9 rear, #080003 Groundglass Holder 6x9 F/M-Line with Fresnel for direct connection to format frame and #071001 Bellows 6x9 Standard 24cm synthetic.  
**Item # ARFS69M .....1,089.50**

**Format Conversion Set M-Line Monolith 6x9-4x5 Wide-Angle** (011810)  
Converts 6x9 M-Line camera to 4x5 wide camera. Consists of #063021 Format Frame M-Line Monolith 4x5 rear, #080007 Film and Groundglass Holder 4x5 F/M-Line with Fresnel and #071030 Bellows 6x9-4x5 24cm leather conical.  
**Item # ARFS6945WAM .....1,464.95**

**Format Conversion Set M-Line Monolith 6x9-4x5 Standard** (011811)  
Converts 6x9 M-line camera to 4x5 camera. Consists of #063021 Format Frame M-Line Monolith 4x5 rear, #080007 Film and Groundglass Holder 4x5 F/M-Line with Fresnel and #071031 Bellows 6x9-4x5 38cm synthetic conical.  
**Item # ARFS6945SM .....1,339.95**

**Format Conversion Set M-Line Monolith 4x5** (011812)  
Converts M-Line 5x7 or 8x10 camera to 4x5 camera. Consists of #063021 Format Frame M-Line Monolith 4x5 rear, #080007 Film and Groundglass Holder 4x5 F/M-Line with Fresnel and #072040 Bellows 4x5 F/M Standard 38cm synthetic.  
**Item # ARFS45M .....1,192.95**

**Format Conversion Set M-Line Monolith 5x7** (011813)  
Converts M-Line 4x5 or 8x10 camera to 5x7 camera. Consists of #063030 Format Frame M-line Monolith 5x7 rear, #088012 Film and Groundglass holder 5x7 F/M-Line with Fresnel and #075000 Bellows 5x7 F/M Standard 50cm synthetic conical.  
**Item # ARFS57M .....2,513.50**

**Format Conversion Set M-Line Monolith 8x10** (011814)  
Converts M-line 4x5 or 5x7 camera to 8x10 camera. Consists of #063040 Format Frame M-Line Monolith 8x10 rear, #088013 Film and Groundglass Holder 8x10 F/M-Line with Fresnel and #076000 Bellows 8x10 F/M Standard 50cm synthetic conical.  
**Item # ARFS810M .....3,032.50**



## BACK ACCESSORIES

### Format Reducing Adapters (Reducing Backs)

**Format Reducing Board 5x7-4x5** (200001)  
Reduces picture format from 5x7 to 4x5 without changing rear function carrier (rear standard). A groundglass back (#080007) is required for focusing and mounting 4x5 film holders.  
**Item # ARR5745 .....689.50**

**Format Reducing Board 8x10-4x5** (200004)  
Reduces picture format from 8x10 to 4x5 without changing rear function carrier (rear standard). A groundglass back (#080007) is required for focusing and mounting 4x5 film holders.  
**Item # ARR81045 .....786.50**



# ARCA SWISS

## SYSTEM



### VIEWING ACCESSORIES

#### Film and Groundglass Holder

**International Back**  
6x9 F/M-Line (080001)  
Consists of #080002 Film holder Adapter and #080005 Groundglass Holder 6x9.  
**Item # ARFGGH69.....604.95**

**Film Holder Adapter**  
6x9 F/M-Line (080002)  
**Item # ARFHA69.....349.95**

**Groundglass Holder 6x9**  
F/M-Line with Fresnel (080005)  
Required only when using flat film holder.  
**Item # ARGGHFHA69...253.50**

**Groundglass Holder 6x9**  
F/M-Line with Fresnel (080003)  
Direct connection to frame. Replacement.  
**Item # ARGGH69.....294.95**

**International Back 4x5**  
F/M-Line (080007)  
Consists of #080008 Film holder Adapter and #080009 Groundglass Frame with Fresnel.  
**Item # ARFGGH45.....633.50**

**Film Holder Adapter**  
4x5 F/M-Line (080008)  
**Item # ARFHA45.....329.95**

**Groundglass Frame**  
4x5 F/M with Fresnel (080009)  
**Item # ARGGFF45.....319.95**



#### Viewing Aids

**Viewing Bellows for 6x9/4x5**  
F/M-Line (161001)  
**Item # ARVB.....265.95**

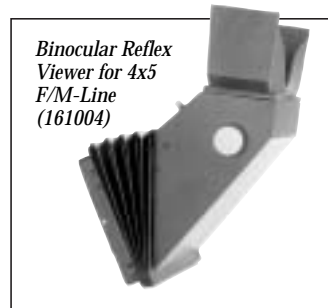
**Binocular Reflex Viewer**  
for 6x9 F/M-Line (161003)  
For viewing upright screen images.  
**Item # ARRMV69.....567.95**

**Binocular Reflex Viewer**  
for 4x5 F/M-Line (161004)  
Unique binocular reflex viewer with flip-on magnifying lens for viewing upright screen images.  
**Item # ARRMV45.....654.95**

**Binocular Lensboard** (161012)  
Replacement for #161001.  
**Item # ARBLB.....207.95**

**Eye Mask** (161013)  
For #161001, #161003 and #161004.  
**Item # AREC.....118.95**

**Adapter Frame 4x5 F/M-Line** (161015)  
For #161001.  
**Item # ARAFVB.....73.95**



#### Groundglass

**Groundglass for**  
6x9 F/M-Line (170011)  
**Item # ARGG69.....59.95**

**Groundglass for**  
4x5 F/M-Line (170014)  
**Item # ARGG45.....69.95**

**Groundglass for**  
5x7 F/M-Line (170017)  
**Item # ARGG57.....104.95**

**Groundglass for**  
8x10 F/M-Line (170018)  
**Item # ARGG810.....132.95**

#### Fresnel Lens

**Fresnel Lens for**  
6x9 F/M-Line (180022)  
**Item # ARFL69.....117.95**

**Fresnel Lens for**  
4x5 F/M-Line (180024)  
**Item # ARFL45.....133.95**

**Fresnel Lens for**  
5x7 F/M-Line (180025)  
**Item # ARFL57.....217.50**

**Fresnel Lens for**  
8x10 F/M-Line (180026)  
**Item # ARFL810.....298.50**



### BACKS ACCESSORIES

#### 120 Roll Film Holders

Arca Swiss 120 roll film holders feature smooth, positive film transport, maintain plane film surface, eliminate interior light reflections and are easy-to-use. They are professionally designed and are built to the highest quality standards.

**Roll Film Holder 6x7** (611000)  
10 exposures. Fits Graflock type 2x3 cameras. (For Arca 6x9, #080002 Adapter is required.)  
**Item # ARFB6712069 .....469.95**

**Roll Film Holder 6x9** (611010)  
8 exposures. Fits Graflock type 2x3 cameras. (For Arca 6x9, #080002 Adapter is required.)  
**Item # ARFB6912069 .....469.95**

**Roll Film Holder**  
**Adapter 6x9** (080002)  
Allows the use of Graflock type roll film holders on Arca 6x9 cameras.  
**Item # ARFHA69 .....349.95**

**Roll Film Holder 6x7** (611014)  
Consists of #611000 Roll Film Holder 6x7 and #080002 Roll Film Holder Adapter.  
**Item # ARFB6712069A...749.95**

**Roll Film Holder 6x9** (611016)  
Consists of #611010 Roll Film Holder 6x9 and #080002 Roll Film Holder Adapter.  
**Item # ARFB6912069A...749.95**

**Roll Film Holder 6x7** (611002)  
10 exposures. Fits international standard 4x5 cameras.  
**Item # ARFB16712045 ....484.50**

**Roll Film 6x9** (611012)  
8 exposures. Fits international standard 4x5 cameras.  
**Item # ARFB6912045 .....484.50**

**Roll Film Holder 6x12** (611022)  
6 exposures. Fits international standard 4x5 cameras.  
**Item # ARFB61212045 ....844.95**

**Polaroid Back 6x9** (621001)  
Specially designed Polaroid 2x3 back for 6x9 Arca cameras.  
**Item # ARFBP69.....559.95**





# ARCA SWISS SYSTEM

VIEW CAMERAS

169



## FRONT ACCESSORIES

### Bellows Lens Hoods

**Compendium Lens Hood 6x9** (111000)  
For F/M-Line. With scissors movement and film holder adapter. Includes compendium bracket and holder.  
**Item # ARCH69.....427.50**

**Compendium Lens Hood 4x5** (111001)  
Also for 5x7 and 8x10 F/M-Line. With scissors movement and film holder adapter. Includes compendium bracket and holder.  
**Item # ARCH45.....564.50**

**Compendium Bracket and Holder 6x9** (111007)  
Replacement.  
**Item # ARCHH69.....64.95**

**Compendium Bracket and Holder 4x5** (111008)  
Replacement.  
**Item # ARCHH45.....69.95**



Compendium Lens Hood (111000)

### Lensboards

#### 110x110mm for Arca 6x9 Monorails and 4x5 Field Camera

**Blank Lensboard for 6x9 Not Drilled** (0910001)  
**Item # ARLBB110 .....54.95**

**#0 Lensboard for 6x9** (0910002)  
**Item # ARLB0110.....59.95**

**#1 Lensboard for 6x9** (0910003)  
**Item # ARLB1110.....59.95**

**#3 Lensboard for 6x9** (0910004)  
**Item # ARLB3110.....59.95**

**7mm Blank Recessed Lensboard for 6x9** (0910041)  
**Item # ARLBR7B110.....79.95**

**7mm #0 Recessed Lensboard for 6x9** (0910042)  
**Item # ARLBR70110.....84.95**

**7mm #1 Recessed Lensboard 6x9** (0910043)  
**Item # ARLBR71110.....84.95**

#### 171x171mm for Arca 4x5, 5x7, and 8x10 Cameras

Current cameras use a 13mm slightly recessed lensboard.

**13mm Blank Recessed Lensboard Not Drilled** (0910411)  
**Item # ARLBRB171 .....69.95**



13mm  
#3  
Recessed  
Lensboard  
(0910414)

**13mm #0 Recessed Lensboard** (0910412)  
**Item # ARLBR0171.....74.95**

**13mm #1 Recessed Lensboard** (0910413)  
**Item # ARLBR1171.....74.95**

**13mm #3 Recessed Lensboard** (0910414)  
**Item # ARLBR3171.....74.95**

### Lensboard Adapters

**Lensboard Reducing Adapter 4x5-6x9** (200006)  
Allows the use of Arca 110mm lensboards on larger Arca cameras using 171mm lensboards.  
**Item # ARRB4569.....274.95**

**Lensboard Adapter Arca 110-Sinar** (200007)  
Allows the use of Arca 110mm lensboards on Sinar camera.  
**Item # ARLBA110S .....274.95**

**Lensboard Adapter Arca 171-Sinar** (200008)  
Allows the use of Sinar lensboard on Arca cameras using 171mm lensboard.  
**Item # ARLBA171S .....274.95**



### CASES

**6x9 F-Line Aluminum Case "Eco 69"** (140004)  
Sturdy case guarantees heavy-duty shock protection during travelling, shipping or other rough handling. Dimensions are 18.1 x 14.8 x 9.8" (46 x 37.5 x 25cm) LWH.  
**Item # ARC69F .....408.50**

**4x5 F/M-Line Aluminum Case "Eco 45"** (140005)  
Dimensions: 19.9x17.3x11" (50.5x44x28cm) LWH.  
**Item # ARC45 .....408.50**

**F-Line 4x5/M-Line 6x9 Aluminum Case "Duo"** (140006)  
Dimensions: 17.1x16.1x9.8" (43.5x41x25cm) LWH.  
**Item # ARC45F69M .....408.50**

**Leather Case for F-Line 6x9 Compact** (140012)  
Includes two compartments for accessories. Dimensions: 11x6.9x10" (28x17.5x25.5cm) LWH.  
**Item # ARC69FC .....396.95**

**Soft Nylon Bag Rucksack for Monorail Cameras** (140020)  
For monorails up to 30cm. Dimensions: 12.6x8.9x13.8" (32x22.5x35cm) LWH.  
**Item # ARCS .....183.50**



### MISCELLANEOUS

**Mirror for Angle Photography** (210001)  
In metal casing.  
**Item # ARMB.....422.95**

**Mirror for Angle Photography** (210002)  
Semi reflecting 50%. In metal casing.  
**Item # ARMBT .....492.95**

**Cable Release 12" [30cm]** (5190017)  
With locking mechanism.  
**Item # ARCR30.....41.95**

**Cable Release 20" [50cm]** (5190018)  
With locking mechanism.  
**Item # ARCR50.....48.95**

**Brainbox** (162000)  
Determines depth-of-field, bellows extension and tilt and swing angles.  
**Item # ARBB .....234.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# HORSEMAN

## LE 4 x 5 SYSTEM

*Horseman has been producing their state-of-the-art monorail cameras for over twenty-five years. Photographers have long appreciated the simplicity of design combined with their durability. The addition of features to the high-end models make Horseman the choice for many professionals. Although the Horseman LE is their newest and latest offering in 4 x 5 monorail cameras, it is also the rebirth of the Classic Horseman 450, the model which the Horseman reputation is largely based on. Combining an intelligent design with sophisticated features such as geared rise, fall and shift, axis tilt and swing, true "one-hand" operation and fold-flat capabilities, the LE is destined to become a legend in it's own right.*



*Horseman LE  
4x5 Camera (23135)  
shown with  
optional lens  
and lensboard*

### FEATURES

- **Entry level monorail camera with most of the features of the more expensive models**
  - **Optical Bench Modular Camera**
  - **Folds flat to fit into an attaché case**
  - **Die-cast and machined aluminum alloy**
  - **Geared (rack/pinion) rise, fall and shift**
  - **Friction rail movement on tripod mount**
  - **Swing and tilt axis lie precisely in the center of the film plane and the center of a lens**
  - **Geared focusing of rear standard**
  - **Easily converted from right to left hand use**
- Horseman LE 4x5 Camera (23135)  
With standard grided ground-glass.  
Item #  
HOLE45.....1,345.00
- **Quick and easy positioning of the front standard as well as the tripod mount**

### LE SPECIFICATIONS

#### TILTS:

Front: 360°; Rear: 360°

#### SWINGS:

Front: 360°; Rear: 360°

#### RISE AND FALL (COMBINED):

Front: 2.4" (60mm)  
Rear: 2.4" (60mm)

#### LATERAL SHIFT:

Front: 2.4" (60mm)  
Rear: 2.4" (60mm)

#### CAMERA BACK:

International Standard 4x5,  
Quick Change Vertical/  
Horizontal Back

#### FOCUSING SCREEN:

Grid Screen with Marks for  
6x7, 6x9 and 6x12cm, with  
Fresnel Lens

#### INTERCHANGEABLE BELLOWES:

Yes

#### MINIMUM

#### BELLOWS DRAW:

2.4" (60mm) using  
Wide-Angle Bellows

#### MAXIMUM EXTENSION:

15.7" (400mm)

#### MONORAIL LENGTH:

15.7" (400mm)

#### LENSBOARD:

Horseman 140x140mm  
Flat or Recessed

#### DIMENSIONS:

12.8 x 9.6 x 16.5"  
(325 x 245 x 420mm);  
H.W.L.

#### WEIGHT:

9.9 lbs. (4.5kg)

*Subject to change without notice*

# HORSEMAN

## LS 4X5 VIEW CAMERAS

*The LS 4x5 camera features an expandable monorail, rack/pinion rise and fall, lateral shift and rack/pinion tripod block. This camera is the basic model, which provides yaw-free base tilt. This feature in the mechanism ensures that there is no yaw in the horizontal direction when you swing the camera, after first aligning the subject horizontally with the horizontal grid lines on the focusing screen. The camera also features geared rise, fall and shift, a geared tripod mount, and a depth-of-field scale knob which calculates and displays the necessary f-stop and correct focal point for the depth-of-field. A fully modular multi-format camera system, with accessories which are easily interchangeable.*



*Horseman LS  
4x5 Camera (23108)  
shown with  
optional lens  
and lensboard*

VIEW CAMERAS

1771

### FEATURES

- **Optical Bench**  
Modular camera
- **Swings and tilt**  
axis lie precisely in  
the film plane with  
the L-designed  
cameras
- **Folds flat to fit in**  
an attaché style  
case
- **Depth-of-field**  
scale knob calcu-  
lates correct f-stop  
and focal point for  
depth of field
- **Die-cast and**  
machined alu-  
minum alloy
- **Geared tripod**  
mount
- **Geared rise, fall**  
and shift
- **Easily converted**  
from right to left  
hand use
- **Compact base tilt mechanism** for yaw  
free movements

Horseman  
LS 4x5 Camera (23108)  
With fresnel screen and  
grided ground glass.  
Item #  
HOLS45.....3,037.00

### LS 4x5 SPECIFICATIONS

#### TILTS:

Front: 360° + 40° base tilt;  
Rear: 360° + 40° base tilt

#### SWINGS:

Front: 360°; rear: 360°

#### RISE AND FALL (COMBINED):

Front: 2.4" (60mm)  
Rear: 2.4" (60mm)

#### LATERAL SHIFT:

Front: 2.4" (60mm)  
Rear: 2.4" (60mm)

#### CAMERA BACK:

International standard 4x5,  
quick change vertical/  
horizontal back

#### FOCUSING SCREEN:

Grid Screen with marks for  
6x7, 6x9 and 6x12cm, with  
fresnel lens on LS 45

#### INTERCHANGEABLE BELLOWS:

Yes

#### MINIMUM BELLOWS

**DRAW:**  
2.4" (60mm) using  
wide-angle bellows

#### MAXIMUM EXTENSION:

Expandable from 18.1 to  
27.6" (460 to 700mm)

#### MONORAIL LENGTH:

Expandable from 18.1 to  
27.5" (460 to 700mm)

#### YAW-FREE BASE TILT:

Yes

#### LENSBOARD:

Horseman 140x140mm  
Flat or Recessed

#### DIMENSIONS:

15 x 9.6 x 18.9"  
(380 x 245 x 480mm)  
H.W.L.

#### WEIGHT:

13.9 lbs. (6.3kg)

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# HORSEMAN

## LX/LX-C 4x5 VIEW CAMERAS

VIEW CAMERAS

172

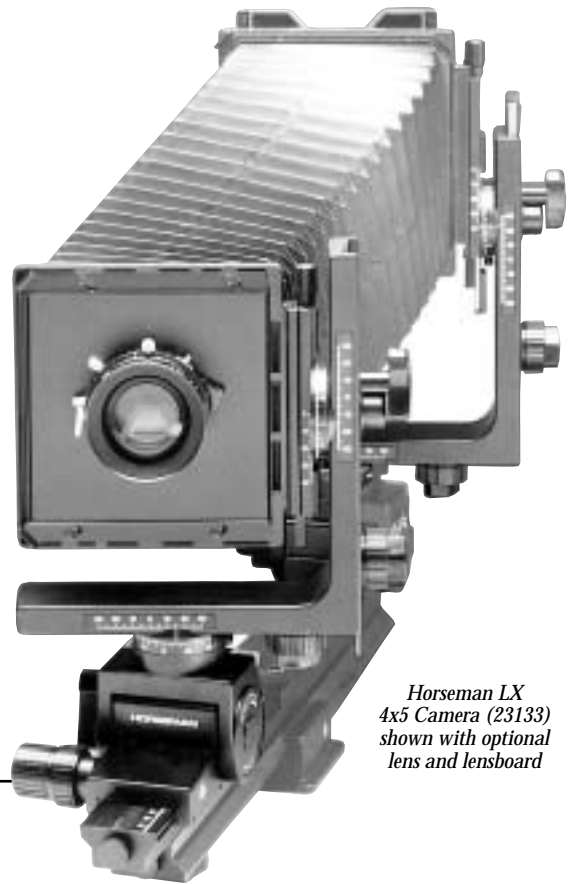
*Along with Yaw-Free Base Tilt, the LX features main frame displacement and depth-of-field scale. On the LX-C, the top of the line in the L-series, depth-of-field measurements are digitized and computed for you by the on-board focus computer. The focus computer has 3 modes of measurement and possesses some exceedingly innovative functions. As the digital scale provides readings to an accuracy of 1/10mm, errors and uncertainty due to backlash in the drive system or compliance are totally eliminated. In spite of the traditional look, L-series view cameras represent a generational advance in camera design and unprecedented levels of technical excellence.*

### FEATURES

- **Main Frame Displacement** - main frames can be moved in parallel with the film plane, by a precision worm gear
- **Die-cast and machined aluminum alloy**
- **Upgradeable to 5x7 or 8x10**
- **Optical bench module camera**
- **2-way spirit level on front and rear standard**
- **Expandable monorail**
- **Rack and pinion drive system on H-shaped monorail**
- **Depth-of-field measurements are digitized and computed by the on-board focus computer on the LXC**

Horseman LX 4x5 Camera (23133)  
With grided ground glass and fresnel screen.  
Item # **HOLX45.....3,595.00**

Horseman LX-C 4x5 Camera (23134)  
With grided ground glass and fresnel screen.  
Item # **HOLXC45.....4,495.00**



Horseman LX 4x5 Camera (23133) shown with optional lens and lensboard

### LX/LXC 4x5 SPECIFICATIONS

#### TILTS:

Front: 360° + 40° Base Tilt;  
Rear: 360° + 40° Base Tilt

#### SWINGS:

Front: 360°, Rear: 360°

#### RISE AND FALL (COMBINED):

Front: 2.4" (60mm);  
Rear: 2.4" (60mm)

#### LATERAL SHIFT:

Front: 2.4" (60mm);  
Rear: 2.4" (60mm)

#### CAMERA BACK:

International Standard 4x5,  
Quick Change Vertical/Horizontal Back

#### FOCUSING SCREEN:

Grid Screen with Marks for 6x7, 6x9 and 6x12cm, with Fresnel Lens on LS 45

#### INTERCHANGEABLE BELLOWS:

Yes

#### MINIMUM BELLOWS DRAW:

2.4" (60mm) using Wide-Angle Bellows

#### MAXIMUM EXTENSION:

Expandable from 18.1 to 27.6" (460 to 700mm)

#### MONORAIL LENGTH:

Expandable from 18.1 to 27.5" (460 to 700mm)

#### YAW-FREE BASE TILT:

Yes

#### LENSBOARD:

Horseman 140x140mm Flat or Recessed

#### DIMENSIONS:

15 x 9.6 x 18.9" (380 x 245 x 480mm) H.W.L.

#### WEIGHT:

LX - 15.2 lbs (6.9 kg);  
LXC - 15.6 lbs (7.1 kg)

*Subject to change without notice*



# HORSEMAN

## LX/LX-C 8x10 VIEW CAMERAS

*These dynamic 8x10" format cameras are further elaborations on the design concepts of the LX and LX-C view cameras. Sharper image, increased range of tonal variation and greater photographic realism make the large format view camera a creative tool with limitless potential. As full fledged members of the L-series, the LX810 and LX-C810 bring you remarkable control flexibility, precision and functionality. Yaw Free Base Tilt and Front Main Frame Displacement are standard features. The large rear L-support equipped with "film axis tilt" lets you easily apply tilt and swing without worrying about refocusing. The LX-C features depth-of-field measurements digitized and computed by the focus computer.*

Horseman LX-C  
8x10 Camera  
(23124)



VIEW CAMERAS

173

### FEATURES

- |   |  |  |   |
|---|--|--|---|
| <ul style="list-style-type: none"> <li>■ <b>Main Frame Displacement</b> - front main frame can be moved parallel with the film plane, by precision worm gear</li> </ul> | <ul style="list-style-type: none"> <li>■ <b>Die-cast and machined aluminum alloy</b></li> </ul>              | <ul style="list-style-type: none"> <li>■ <b>Optical bench modular camera (8x10")</b></li> </ul>  | <p>Horseman LX 8x10 Camera (23123)<br/>With grided ground glass and fresnel screen.<br/><b>Item # HOLX810.....6,025.00</b></p>    |
| <ul style="list-style-type: none"> <li>■ <b>2-way spirit level on front and rear standard</b></li> </ul>  | <ul style="list-style-type: none"> <li>■ <b>Rack and pinion drive system on H-shaped monorail</b></li> </ul> | <ul style="list-style-type: none"> <li>■ <b>Folds flat to fit into a smaller case</b></li> </ul> |   |
|   | <ul style="list-style-type: none"> <li>■ <b>Easily converted from right to left hand use</b></li> </ul>      | <ul style="list-style-type: none"> <li>■ <b>Depth-of-field scale knob</b></li> </ul>             | <p>Horseman LX-C 8x10 Camera (23124)<br/>With grided ground glass and fresnel screen.<br/><b>Item # HOLXC810 ....7,015.00</b></p> |
|   |  | <ul style="list-style-type: none"> <li>■ <b>Geared tripod mount</b></li> </ul>                   |   |

### LX/LX-C 8x10 SPECIFICATIONS

#### TILTS:

Front: 360° + 40° Base Tilt;  
Rear: 360° + 40° Base Tilt

#### SWINGS:

Front: 360°; Rear: 360°

#### RISE AND FALL (COMBINED):

Front: 2.4" (60mm);  
Rear: 2.4" (60mm)

#### LATERAL SHIFT:

Front: 1.2" (30mm);  
Rear: 3.5" (90mm)

#### CAMERA BACK:

International  
Standard 8x10  
Quick Change  
Vertical/Horizontal Back

#### FOCUSING SCREEN:

Grid Screen

#### INTERCHANGEABLE BELLOWS:

Yes

#### MINIMUM BELLOWS

**DRAW:**  
3" (75mm) with  
Wide-Angle Bellows

#### MAXIMUM EXTENSION:

Expandable from  
18.1 to 27.6"  
(460 to 700mm)

#### MONORAIL LENGTH:

Expandable from 18.1 to  
27.6" (460 to 700mm)

#### YAW-FREE BASE TILT:

Yes

#### LENSBOARD:

Horseman 140x140mm  
Flat or Recessed

#### DIMENSIONS

20.5 x 16.5 x 18.9"  
(520 x 420 x 480mm)  
H.W.L.

#### WEIGHT

LX - 19.8 lbs. (9kg);  
LX-C - 20.3 lbs. (9.2kg)

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# HORSEMAN

## L - S Y S T E M



### BODY ACCESSORIES

#### Front Standards and Supports

**4x5 Front L-Support LS** (23737)  
Requires 4x5 Main Frame (23705).  
**Item # HOLSFLS45 ....1,194.95**

**4x5 Front L-Support LX-LXC** (23753)  
With feature for Main Frame Displacement. Requires 4x5 main frame (23705).  
**Item # HOLSFLX45....1,994.95**

**8x10 Front L-Support LX-LXC** (23722)  
Same as above, for 8x10. Requires 8x10 main frame (23725N).  
**Item # HOLSFLX810..1,894.95**

*8x10 Front L-Support LX-LXC (23722)*



**8x10/5x7 Frame Adapter** (23588)  
A mounting spacer to attach 5x7 main frame (23715N) to 8x10 L-Support (23722) for 5x7 camera.  
**Item # HOFA81057.....444.95**

#### Rear Standards and L-Supports

The L-support arm is a high precision support system for camera front and back. It features Yaw-Free Base Tilt - a powerful brake equipped lock that securely fixes your tilt-swing adjustments in place, and easy to read white calibration scales.

**4x5 Rear L-Support LS** (23738)  
With depth-of-field scale for LS. Requires 4x5 main frame (23705) 4x5 connecting frame (23707) and 4x5 groundglass back (23708).  
**Item # HOLSRLS45....1,359.95**

**4x5 Rear L-Support LX** (23754)  
With depth-of-field scale for LX. Requires 4x5 main frame (23705), 4x5 connecting frame (23707) and 4x5 groundglass back (23708).  
**Item # HOLSRLX45 ...2,094.95**

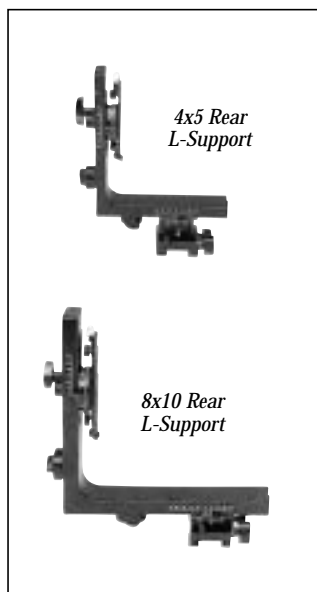
**4x5 Rear L-Support LX-C** (23755)  
With focus computer LX-C. Requires 4x5 main frame (23705), 4x5 connecting frame (23707) and 4x5 groundglass back (23708).  
**Item # HOLSRLXC45.3,249.50**

**8x10 Rear L-Support LX** (23728)  
With depth-of-field scale for LX. Requires 8x10 main frame (23725N) and 8x10 groundglass back (23727N).  
**Item # HOLSRLX810.2,994.50**

**8x10 Rear L-Support LX-C** (23729)  
With focus computer LX-C. Requires 8x10 main frame (23725N) and 8x10 groundglass back (23727N).  
**Item # HOLSRLXC810 .....3,994.50**

*4x5 Rear L-Support*

*8x10 Rear L-Support*



#### Main Frames

The front and rear main frames in the modular system are exactly identical. Bellows or connecting frame can be attached to either side for quick, effortless camera assembly.

**4x5 Main Frame** (23705)  
**Item # HOMF45 .....264.95**

**5x7 Main Frame** (23715N)  
**Item # HOMF57 .....694.95**

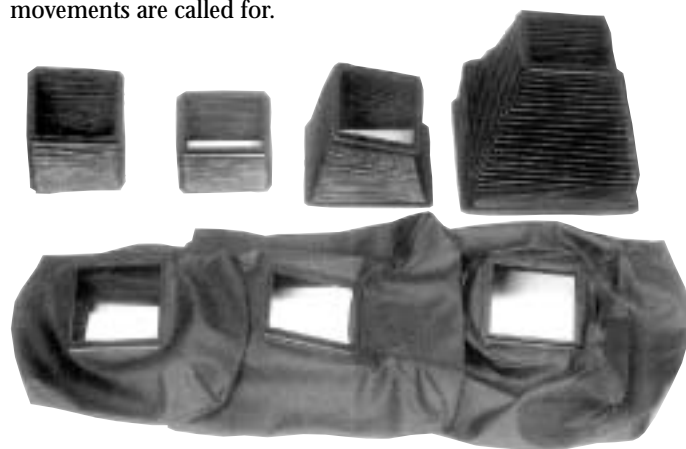
**8x10 Main Frame** (23725N)  
**Item # HOMF810 .....744.95**



*Main Frame (23725N) shown with groundglass back (237827)*

#### Bellows

Good flexibility, sturdy material and long service life are critical factors to consider when selecting bellows for professional photography. Horseman bellows are designed and built to accommodate maximum swing and tilt movements, and to stand up to years of hard use. For wide-angle photography, wide-angle bellows are highly recommended, even with standard lenses, when extreme movements are called for.



*4x5" Extra-Long Bellows, 4x5" Standard Bellows, 5x7" Standard Bellows, 8x10" Standard Bellows, 4x5" Wide-Angle Bellows, 5x7" Wide-Angle Bellows, 8x10" Wide-Angle Bellows*

**4x5 Standard Bellows** (23501)  
**Item # HOB545.....264.95**

**4x5 Wide-Angle Bellows** (23502)  
Used with wide-angle lenses 90mm or shorter.  
**Item # HOBWA45.....279.00**

**4x5 Extra Long Bellows** (23503)  
**Item # HOBEL45 .....375.00**

**5x7 Standard Bellows** (23557N)  
**Item # HOB57 .....594.95**

**5x7 Wide-Angle Bellows** (23558N)  
**Item # HOBWA57.....494.95**

**8x10 Standard Bellows** (23581N)  
**Item # HOB810.....794.95**

**8x10 Wide-Angle Bellows** (23582N)  
**Item # HOBWA810.....794.95**

**All items are complete with all accessories as supplied by the manufacturer**



### BODY ACCESSORIES, *continued*

#### Monorails

**250mm Monorail** (23551)  
Especially for use with short focal length lenses.  
**Item # HOMR250.....158.95**

**400mm Monorail** (23702)  
(Replacement on Model 450.)  
**Item # HOMR400.....199.95**

**560mm Monorail** (23552)  
**Item # HOMR560.....248.95**

**700mm Monorail** (23555)  
**Item # HOMR700.....394.95**

**1000mm Monorail** (23553)  
Needed for close-up and macro work. Permits extreme close-ups with long, standard and short focus lenses when combined with the intermediate bellows standard, etc.  
**Item # HOMR1000.....444.95**

**Expandable Monorail** (23712)  
The upper rail slides back and forth, giving rail lengths from 460 to 700mm.  
**Item # HOMRE.....644.95**

**Expandable Monorail Type (S)** (23554)  
Shorter type of expandable monorail, with lengths from 300 to 450mm.  
**Item # HOMRES.....594.95**

**Expandable Monorail with FC Scale** (23732)  
For the monorail adjustable from 460-700mm, the upper rail is engraved with an FC scale for use with the on-board focus computer. (Replacement for LX and LX-C.)  
**Item # HOMREFCS.....758.95**

**31cm Upper Rail** (23836)  
Total rail extension of 860mm is possible by mounting Upper rail to the Expandable Monorail.  
**Item # HOMRU31.....169.95**

**31cm Upper Rail with FC Scale** (23835)  
With its FC scale, this Upper Rail effectively converts the Expandable Monorail for use with the focus computer.  
**Item # HOMRU31FCS..294.95**



**Monorail Safety Stop** (23821)  
For 250, 400, 560 and 1000mm Monorails. (Replacement.)  
**Item # HOMRS250.....19.95**

**Monorail Safety Stop** (23822)  
For expandable monorails. (Replacement.)  
**Item # HOMRSE.....19.95**

#### Miscellaneous Body Accessories

**Fine Focus Adapter** (23566)  
Lets you mount a 35mm camera on a Horseman monorail, for precision-adjustment of distances in close-up and repro work. Camera rides on monorail rack and pinion drive. Also useful in slide duplication, etc.  
**Item # HOFFA.....234.95**



*Tripod Mount (23701)*

**Tripod Mount** (23701)  
Tripod block with built-in pinion drive mechanism to provide stable base for camera. The rack and pinion drive prevents tripod from moving when camera is shifted back and forth. With small and large tripod sockets.  
**Item # HOTM.....99.95**

*Bellows Connecting Frame (23561)*



**Bellows Connecting Frame** (23561)  
Necessary when joining two bellows, as in high magnification photography. Fine focus adapter (23566) required to prevent bellows from sagging.  
**Item # HOBC.....494.95**

**Support Plate** (27562)  
Affords increased stability to monorail by connection to tripod at two intervals. Use double support plate with two tripod mounts for secure mounting of 4x5" to 8x10" camera to longer monorail.  
**Item # HOSP.....374.95**



*Support Plate (27562)*

**Twin Accessory Shoe Mounts** (23564)  
L-shaped bracket attaches to the main frame and is fitted with two accessory shoes.  
**Item # HOASA.....75.00**

**Quick Shoe** (27564)  
For quick, easy, yet secure mounting of camera on tripod, attach shoe to tripod, then slide tripod mount of camera into shoe until it locks into place. The shoe has spring-loaded stopper pins at both ends to secure camera, even when it is not properly locked in place yet. The two guide pins on the adapter determine the positioning of Horseman field cameras. Includes Adapter.  
**Item # HOQS.....294.95**

**Quick Shoe Adapter** (27565)  
Spare.  
**Item # HOQSA.....69.95**

*Twin Accessory Shoe Mounts (23564)*



**Multi-Purpose Support Bracket** (23563)  
Mounted under the monorail on L-series cameras, this support bracket is designed to hold additional accessories securely. Two 3/8" mounting screws included.  
**Item # HOBMP.....194.95**

**Driving Aid Rubber Ring** (25681)  
For smoother rise adjustments, for 4x5 LS, LX and LX-C cameras.  
**Item # HORDA.....19.95**

# HORSEMAN

## L - S Y S T E M



### VIEWING ACCESSORIES

#### Groundglass

**4x5 Groundglass Spring Back** (23708)  
Requires 4x5 connecting frame (23707) to mount onto main frame.  
**Item # HOGGB45 .....278.95**

**4x5 Connecting Frame** (23707)  
For groundglass spring back.  
**Item # HOCF45.....124.95**

**5x7 Groundglass Back** (23717N)  
Mounts directly onto 5x7 main frame.  
**Item # HOGGB57 .....984.95**

**8x10 Groundglass Back** (23727N)  
Mounts directly onto 8x10 main frame.  
**Item # HOGGB810...1,494.95**

**4x5 Groundglass Only** (23891)  
(Replacement.)  
**Item # HOGGG45 .....49.95**

**4x5 Fresnel Lens Kit** (23893)  
Offers brighter viewing area for focusing. The fresnel snaps into place over the groundglass. Includes mounting hardware.  
**Item # HOF45K .....Disc**

**Snap-On Fresnel Attachment** (23831)  
Attachment for fresnel lens. Snaps easily on and off groundglass, magnetically.  
**Item # HOFA .....79.95**

**4x5 Fresnel Lens** (23892)  
Fresnel lens only.  
**Item # HOF45.....79.95**

**4x5 Bright Screen** (24594)  
This screen increases the brightness of the groundglass by approximately one aperture setting.  
**Item # HOBS45Q .....169.95**

**4x5 Aerial Image Focusing Screen** (24593)  
For microscopic and extreme low-light photography.  
**Item # HOGGA145.....249.95**

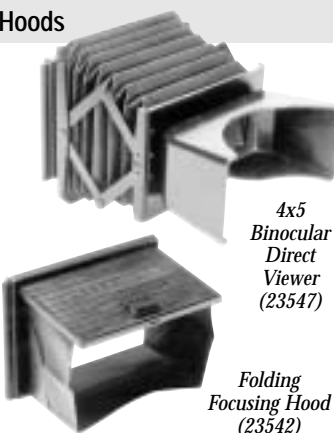
**5x7 Groundglass** (27861N)  
(Replacement.)  
**Item # HOGG57 .....86.95**

**8x10 Groundglass** (27863N)  
(Replacement.)  
**Item # HOGG810.....124.95**

#### Focusing Hoods

**4x5 Binocular Direct Viewer** (23547)  
For observation of images on the groundglass even in bright light. The image of the groundglass is observed through +3 dioptic magnified glasses. Bellows flexibility offers desired viewing angle.  
**Item # HOB DV .....609.00**

**4x5 Folding Binocular Reflex Viewer** (23543)  
For right side up viewing of the image. Folds into a small, portable unit. Usable in the field and studio. Mounts on Horseman rear standard, as well as on 14x14cm standard cameras. Fits all cameras that accept 14x14cm bellows.  
**Item # HOB RV .....849.00**



4x5  
Binocular  
Direct  
Viewer  
(23547)

Folding  
Focusing Hood  
(23542)

**Folding Focusing Hood** (23542)  
For easier focusing outdoors. Folds together for convenient carrying and storage. Snaps easily on and off frame of focusing screen.  
**Item # HOFH45 .....194.95**

#### Miscellaneous Viewing

**Precision Magnifier (4x)** (25612)  
A superbly designed magnifier with focus adjustment and edge to edge flat field over its large diameter (55mm) field. An especially valuable tool for examining negatives, prints, etc.  
**Item # HOM4X .....214.95**

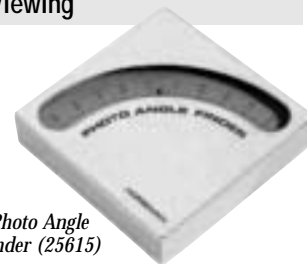


Photo Angle  
Finder (25615)

**Magnifying Glass 6x** (25614)  
A 6x magnifying glass for cameras with focusing hoods. It allows focusing when the focusing hood is open.  
**Item # HOM6X .....164.95**



2-Way  
Level  
(25616)

**Focusing Magnifier 7x** (25611)  
Black tubes shuts out stray light. For clear, precise observation of focusing screen.  
**Item # HOM7X .....64.95**

**Universal Zoom Finder 69 (6x9cm)** (21501)  
The Universal Zoom Finder can be used either attached to a camera for hand-held shooting, or separately. By using the Universal Zoom Finder to compose the subject and the zooming knob to determine the focal lengths of the lenses you wish to use, you can avoid moving the camera about and changing lenses unnecessarily, thereby saving precious time. Suitable for use with lenses with a focal length of 65-300mm.  
**Item # HOZF69.....849.95**

**Universal Zoom Finder 45 (4x5")** (21502)  
Same as the Zoom Finder 69, but with format mask 4x5. For use with lenses with a focal length of 90-400mm.  
**Item # HOZF45.....899.00**

**Format Mask 6x9** (21701)  
**Item # HOMZF69 .....294.95**

**Format Mask 4x5** (21702)  
**Item # HOMZF45 .....294.95**



Universal  
Zoom  
Finder 69  
(21501)

**2-Way Bubble Level** (25616)  
Measures the relative angle between the film plane and the object to control distortion. Allows you to determine when front and back standards are parallel. Only about half the size of a pack of cigarettes, yet this fluorescent bubble level shows if the film plane and subject are horizontal or perpendicular.  
**Item # HOSL2W .....29.95**

**Photo Angle Finder II** (25617)  
Measures relative angle between film plane and object, or angle against perpendicular of object itself. Useful for accurate swing/tilt operations. Features oil damped indicator needle.  
**Item # HOFPA2.....41.95**





### FILM BACKS

#### Reducing Backs

Reducing backs can be used to convert the various back mount sizes of the 810 and 57 to the 4x5" 140mm format, or to convert the 810 to the 57 mount size.

**L810 Reducing Back** (23585N)  
Reduces from 8x10" to 4x5".  
Requires 4x5 connecting frame  
(23707) and 4x5 groundglass  
back (23708) for 4x5" photog-  
raphy.

**Item # HORB81045.....794.95**

**L57 Reducing Back** (23586N)  
Reduces from 5x7" to 4x5".  
Requires 4x5 connecting frame  
(23707) and 4x5 groundglass  
back (23708) for 4x5" photog-  
raphy.

**Item # HORB5745.....694.95**

**8x10/5x7 Reducing Back** (23587N)  
Reduces from 8x10" to 5x7".  
Requires 5x7 groundglass back  
(23717N) for 5x7" photography.

**Item # HORB81057.....874.95**

**6x9" Reducing  
Revolving Back** (27531)  
Converts 4x5" to 6x9cm for-  
mat. Revolves to horizontal or  
vertical format while camera  
stays fixed. Economical, as  
Horseman 6x9cm accessories  
can be used as they are.

**Item # HORBR .....664.95**



L57 Reducing  
Back (23586N)

6x9"  
Reducing  
Revolving  
Back  
(27531)



#### Rotary Backs

The groundglass screen and film holder are mounted side by side on a circular, rotating cameraback. Compose and focus on the screen, then rotate the back through 180° in a single motion. Eliminates the need to constantly exchange film holders and focusing screens and greatly improves work efficiency. The built-in exposure prevention permits the back to be rotated without insertion of darkslide.

**Rotary Back Type 2** (22502)  
Fits international standard  
4x5" cameras. For speed in  
6x7 and 6x9cm 120 roll pho-  
tography. Supplied with  
groundglass back (22574).

**Item # HORB2.....794.95**

**Rotary Back Type 3** (22503)  
For Horseman 4x5" view  
cameras. Both Type 2 and 3  
fit directly into rear camera  
frame, minimizing thickness  
loss due to rotary back.  
Supplied with groundglass  
back (22574).

**Item # HORB3.....794.95**

**Groundglass Back** (22574)  
Replacement for rotary backs 1-3.

**Item # HOGGBR1.....98.95**



#### 4x5 Film Backs

Horseman roll film holders for 4x5" cameras feature ratchet advance and automatic counter resetting. You can choose from among five types: 6x7 and 6x9cm for 120 and 220 film, respectively, and a 6x12 model for easy panoramic photography with your 4x5" camera. They are designed to fit all 4x5" cameras that follow the accepted international standard.

**Roll Film Holder 451** (22451)  
6x9cm 8 exposures on 120 film  
for all international standard  
4x5" cameras.

**Item # HOFB6912045....469.00**

**Roll Film Holder 452** (22452)  
6x7cm 10 exposures on 120  
roll film, for all international  
standard 4x5" cameras.

**Item # HOFB6712045....469.00**

**Roll Film Holder 453** (22453)  
6x9cm 16 exposures on 220 roll film, for all international standard  
4x5" cameras.

**Item # HOFB6922045.....469.00**

**Roll Film Holder 454** (22454)  
6x7cm 20 exposures on 220  
roll film, for all international  
standard 4x5" cameras.

**Item # HOFB6722045....469.00**

**Roll Film Holder 612** (22461)  
6x12cm 6 exposures on 120  
roll film, for all international  
standard 4x5" cameras.

**Item # HOFB61245.....849.00**

Roll Film  
Holder 451  
(22451)



Roll Film  
Holder 452  
(22452)

**Dark Slide** (22802)  
Replacement dark slide for roll  
film holders 451-454.

**Item # HODSFB45.....12.95**

**Dark Slide** (22804)  
Replacement dark slide for roll  
film holders 612.

**Item # HODSFB612.....14.95**

4x5, 5x7 and 8x10 film holders are available by  
independent manufacturers. See Miscellaneous View section.

# HORSEMAN

## L - S Y S T E M



### BACK ACCESSORIES

Exposure  
Meter 45  
(04311)  
shown  
with  
Hard  
Case  
(25675)



TTL exposure meter for average full area measuring on the film plane. Read-out of film surface value with immediate computation of shutter speed or aperture setting. Fits like a sheet film holder. No need to calculate bellows factor for close-ups, or to consider effect on the exposure caused by movement or filter usage.

### Exposure Meter

#### Exposure Meter 45 (04311)

Full area measuring on the entire 4x5" format. The meter face can be rotated with click spots at 45°, to be readable from any direction. Battery supplied.

Item # **HOM45** .....**945.00**

#### 6.2v Spare Battery (25837)

For Exposure Meters.

Item # **HOBQ** .....**22.50**

#### Hard Case (25675)

For Exposure Meter 45.

Item # **HOCHM** .....**74.95**



### FRONT ACCESSORIES

### Bellows Hoods

#### Bellows Lens Hood

Type II (23544)

For 4x5" view cameras. The revolving bellows lens hood blocks light at any camera angle or inclination. In addition, a format mask matching the 4x5" screen format is included as standard equipment. The format mask is inserted into the front end of the bellows hood and can also be used to cut out extraneous light.

Item # **HOBLH2** .....**609.00**



Bellows  
Lens  
Hood  
Type II  
(23544)



#### Sinar Adapter (23546)

For Bellows Hood II. Allows the use of Horseman bellows on Sinar cameras.

Item # **HOSABLH2** .....**148.95**

### Miscellaneous Front Accessories

#### Semi-Transparent Mirror (23571)

With a transparency factor of 50%, this semi-transparent mirror, 140x140cm, allows the photographer to superimpose two images in one picture easily. Requires fine focus adapter (23566), or auxiliary frame (23562) for mounting.

Item # **HOHSM** .....**274.95**

#### Fine Focus Adapter (23566)

The Fine Focus Adapter lets you mount a 35mm camera on a Horseman monorail, for precision-adjustment of distances in close-up and repro work. Camera rides on monorail rack and pinion drive. Also useful in slide duplication, etc.

Item # **HOFFA** .....**234.95**

#### Auxiliary Frame with Tilt/Swing System (23562)

Connects two or more sets of bellows when using two frames and bellows as a lens hood, or when mounting accessories such as a half mirror. Has all the adjustment flexibility of the regular front and rear standards, including rise, fall, forward and backward movement on the monorail and tilt/swing.

Item # **HOAF** .....**739.95**

### Lensboards and Adapter Lensboards

#### Blank View Lensboard (23511)

For drilling own lens opening.

Item # **HOLBBV** .....**49.95**

#### #0 View Lensboard (23513)

Item # **HOLB0V** .....**69.95**

#### #1 View Lensboard (23514)

Item # **HOLB1V** .....**69.95**

#### #3 View Lensboard (23515)

Item # **HOLB3V** .....**69.95**

#### #0 Recessed View Lensboard (23523)

Recessed 20mm, for #0 shutter.

Item # **HOLBR20V** .....**294.95**

#### #0 Recessed View Lensboard (23522)

Recessed 40mm, for #0 shutter.

Item # **HOLBR40V** .....**294.95**

#### Horseman Field to Horseman View Adapter Board (23517)

Permits lenses mounted on 80x80mm Horseman panels to be used without remounting.

Item # **HOLBAFV** .....**294.95**

#### Linhof to Horseman View Adapter Board (23516)

Permits lenses mounted on Linhof standard panels to be used without remounting.

Item # **HOLBALV** .....**294.95**

#### 14cm Bayonet

Lensboard (23531)

Horseman's Bayonet lens mounting system allows you to change lenses from one camera to another with ease. Its carry case saves lens storage space.

Item # **HOLBBVQ** .....**444.95**

#### Bayonet Ring #0 (23535)

Drilled for #0 shutter.

Item # **HOBRO** .....**94.95**

#### Bayonet Ring #1 (23536)

Drilled for #1 shutter.

Item # **HOBRI** .....**94.95**

### Misc. Lens Accessories

#### 2x LF Teleconverter

150-300 (25231)

For large-format lenses. Enables you to convert most 150mm focal distance lenses up to 300mm. The 7-element, 5-group construction uses extra-dispersion glass so as not to effect the sharpness, color balance or image circle of the original lens. The exposure factor is two f-stops. Mounting and unmounting is easily achieved. Its compact size makes it perfect for on-location shooting.

Item # **HOTCLF** .....**464.95**

**Most Orders Shipped Within 24 Hours**



### MISCELLANEOUS

#### Behind-The-Lens Filter Holder

Elastic pantograph-type filter holder fits over rear end of lens, regardless of focal length. To attach, mount the set ring to the lensboard. Once in place, the rear filter holder itself can be slipped on and off. With the set ring mounted, lenses can be interchanged at a touch. Four types of rear filter holders are available.

**Behind-the-Lens Filter Holder (Std)** (27551)  
Supplied with adapter rings for #0 and #1, and 3" gel filter holders (2 pcs). Fits most view cameras.  
**Item # HOFHBTLL.....349.95**

**3" Square Filter Holder** (23883)  
**Item # HOFH3.....7.95**

**4" Square Filter Holder** (23884)  
**Item # HOFH4.....7.95**

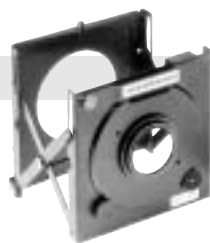
**5" Square Filter Holder** (23885)  
**Item # HOFH5.....7.95**

**Adapter Ring #0** (27556)  
For #0 shutter. (Replacement.)  
**Item # HOAR0FHBTLL...39.95**

**Adapter Ring #1** (27557)  
For #1 shutter.  
**Item # HOAR1FHBTLL...39.95**

**Adapter Ring #3** (27559)  
For #3 shutter.  
**Item # HOAR3BTLLFH...44.95**

**BTL Filter Holder H** (27552)  
With adapter board for Horseman view. Mounts directly in place of Horseman view lensboard.  
**Item # HOFHBTLLH.....594.95**



*Behind The Lens Filter Holder (27551)*

**BTL Filter Holder L** (27553)  
With adapter board for Linhof. Mounts directly in place of Linhof lensboard.  
**Item # HOFHBTLL.....594.95**

**BTL Filter Holder B** (27554)  
With 14cm bayonet board, using bayonet mounting system.  
**Item # HOFHBTLLB.....744.95**

#### Digital Shutter

The IS-1 Intelligent Shutter System is a remote controlled aperture and shutter speed selector for view camera lenses. All operations can be controlled behind the camera. Shutter speeds are from  $\frac{1}{25}$  of a second to 99 minutes and 59 seconds. The aperture can be fine-adjusted in steps of 1,  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{1}{8}$  and  $\frac{1}{16}$  of a stop. On the control unit, the shutter speed can be selected either with an F/S (faster/slower) toggle, giving you  $\frac{1}{2}$  increments (i.e.  $\frac{1}{60}$  +  $\frac{1}{60}$ ,  $\frac{1}{30}$  +  $\frac{1}{30}$  etc.) or in units of minutes, 10 seconds or 1 second. It also has a main aperture dial and a sub-dial for aperture-fine adjustment. Other functions are "Open", "Stop", "Down", "Closed", "Release". An easy-to-read LCD, shows all information. Powered by AC 110 or 220v, or rechargeable nicads.

**ISS Control Kit** (23201)  
Consists of Central processing kit, Remote control, RC cable 1.5m and shutter 1.5m connecting cable.  
**Item # HOCKISS.....3,494.50**

**ISS Power Kit** (23240)  
Consists of 6v Nicad battery, battery recharger, A/C adapter, and car battery adapter.  
**Item # HOPKISS.....424.95**

**Simultaneous Operation Cable** (23233)  
**Item # HOSOC.....99.95**

**Remote Release (1m)** (23232)  
**Item # HORR1.....174.95**

**Remote Release (5m)** (23234)  
**Item # HORR5.....258.95**

**ISS Flex Clamp** (23251)  
**Item # HOFClSS.....349.95**

**Auto Camera Back for Horseman with Cable** (23271)  
**Item # HOACFH.....324.95**

**Auto Camera Back for Toyo with G.G. Back & Cable** (23274)  
**Item # HOCBTISS.....794.95**

**Auto Camera Back for Cambo with G.G. Back & Cable** (23273)  
**Item # HOACBC.....794.95**

**Auto Adapter for Sinar** (23272)  
**Item # HOAAS.....374.95**

**Shutter IS-0 #0** (23221)  
**Item # HOSIS0.....958.95**

**Shutter IS-1 #1** (23222)  
**Item # HOSIS1.....958.95**

**Shutter IS-3 #3** (23223)  
**Item # HOSIS3.....1,589.95**

**Linhof Panel for IS Shutter #0 and #1** (23252)  
**Item # HOPSL.....79.95**

**Technical Panel for IS Shutter** (23253)  
**Item # HOPT.....694.95**

**ISS Nicad Battery Pak** (23243)  
**Item # HOBPNISS.....199.95**

**ISS Shutter Cable 2.5m** (23266)  
**Item # HOCSS2.5ISS.....344.95**

**ISS RCU Cable 3cm** (23264)  
**Item # HOCRCU3ISS.....234.95**

**ISS RCU Cable 5cm** (23265)  
**Item # HOCRCU5ISS.....274.95**

**ISS RCU Cable 15cm** (23263)  
**Item # HOCRCU15ISS...174.95**



### CASES

The Horseman Camera Cases are designed to fully protect your camera investment, and are dimensioned to accommodate 4x5" L-series cameras.

*Attache Case (27571)*



*Heavy Duty Case (27573)*

*Soft Side Case (27575)*

**Attache Case** (27571)  
Compact, lightweight leatherette case holds folded camera. Fits under airplane seat. Dimensions are 21.6x16.1x5.9" (55x41x15cm), weighs 9.9lbs (4.5kg).  
**Item # HOCF1.....344.95**

**Heavy Duty Case** (27573)  
Sturdy aluminum case holds and protects assembled camera. Dimensions are 20x16.5x11.4" (52x42x29cm), weighs 15lbs (6.8kg).  
**Item # HOCF3.....684.95**

**Soft Side Case** (27575)  
Camera bag, with shoulder strap, made of lightweight, water repellent, cushioned Cordura nylon. The 4x5" L-series view camera must be folded for storage in the case.  
**Item # HOCSS.....444.95**



*ISS Control Kit (23201)*

# L I N H O F

## M679 2¼ x 3¼" VIEW/DIGITAL CAMERA

VIEW CAMERAS

180

*An adjustable modular view camera covering from 6x6 (2¼ x 2¼") to 6x9cm (2¼ x 3¼") formats, the M679 allows most medium format camera backs, including digital backs, to be adapted to it. Medium format photographers are no longer limited by their tilt and shift lens. Perspective control, increasing depth-of-field, eliminating converging verticals and creative movements for obtaining optimum picture quality can be realized. The M679 is ideal for digital use as it offers the stability and tolerances required by digital backs.*



### FEATURES

- Solid optical bench camera
- Extremely compact and flexible
- Three spirit levels
- Adapters for roll film and digital imaging backs
- Ergonomically designed with precision micro drives and clamping elements

Linhof M679 Camera (000115)  
Includes bellows, front and rear standard with integrated benchholder, ground-glass back without groundglass and system transportation case.  
**Item # LIM679 .....4,044.95**

### Lens Boards

#0 Lensboard (001160)  
**Item # LILB0M679 .....109.95**

#1 Lensboard (001161)  
**Item # LILB1M679 .....109.95**

#3 Lensboard (001173)  
For 240mm and telephoto lenses.  
**Item # LILB3M679 .....109.95**

#0 Lensboard (001171)  
For 100 f/5.6mm APO Sironar N lens.  
**Item # LILB0M679Q .....109.95**

#0 Recessed Lensboard (001163)  
**Item # LILBR0M679 .....129.50**

#1 Recessed Lensboard (001164)  
**Item # LILBRP1M679 .....129.50**

#0 Double Recessed Lensboard (001176)  
For ultra-wide lenses such as 35 f/4.5mm APO-Grandagon lens.  
**Item # LILBDR0M679 .....176.50**

Lensboard Adapter Technika (001100)  
For lenses mounted on Linhof and Wista boards.  
**Item # LILBAT45M679 .....476.95**

### M679 SPECIFICATIONS

#### TILTS:

Front: 75°; Rear: 75°

#### SWINGS:

Front: 36°; Rear 24°

#### LATERAL SHIFT:

Front: 6.6" (168mm);  
Rear: 6.6" (168mm)

*Subject to change without notice*

#### CAMERA BACK:

Special design accepts most 6x6, 6x7, Linhof 6x9, and digital backs via adapter

#### FOCUSING SCREEN:

Optional

#### INTERCHANGEABLE BELLOWS:

Yes

#### MINIMUM BELLOWS

**DRAW:**  
1" (25mm)

#### MAXIMUM EXTENSION:

12.8" (326mm)

#### MONORAIL LENGTH:

12.8" (326mm)

#### LENSBOARD:

Linhof square 4½ x 4½"  
M679 type

#### OVERALL DIMENSIONS:

6.7 x 6 x 11.6"  
(170 x 153 x 294mm)  
L.W.H.

#### WEIGHT:

8.4 lbs. (3.8kg)



**M679 Groundglass Back** (001698)  
**Item # LIBGGM679.....582.95**

**Groundglass 6x6cm Scored**  
 (021834)  
**Item # LIGG66M679.....39.95**

**Groundglass 6x7cm Scored**  
 (021835)  
**Item # LIGG67M679.....39.95**

**Groundglass 3x3cm Scored**  
 (021833)  
**Item # LIGG33M679.....39.95**

**Groundglass**  
**Kodak DCS 465** (021832)  
 For 6x6 to 6x8 formats.  
**Item # LIGGKDCS465.....39.95**

**Format Dial 6x7** (003901)  
**Item #.....T.B.A.**

**Format Dial 3x3** (003902)  
**Item #.....T.B.A.**

**Format Dial 6x9** (003903)  
**Item #.....T.B.A.**

**Fresnel Lens** (002523)  
 For increasing the brightness of the image corners when using short focal lengths. With the Linhof M679, the optical center of the fresnel screen is offset from the center of the screen. In addition, it can be moved up and down. Because of this a right angle viewfinder can be used without image vignetting.  
**Item # LIFSM679.....149.95**

**Normal Bellows** (002753)  
 Replacement. For lenses with focal lengths of 90mm to 240mm.  
**Item # LIBNM679.....303.50**

**Wide Angle Bellows** (002754)  
 For lenses with focal lengths of 35mm to 90mm.  
**Item # LIBWAM679.....459.95**

**Hasselblad Back Adapter**  
 (001694)  
 The groundglass adapter with the groundglass of the Hasselblad FlexBody, as well as the Hasselblad Reflex Finder (72530) can be used as a focusing aid with this adapter.  
**Item # LIFBAHM679.....477.95**

**Kodak DCS 465**  
**Back Adapter** (001697)  
**Item # LIDBAKDCS465...249.95**

**Mamiya**  
**Back Adapter RZ** (001696)  
**Item # LIFBAMRZM679..289.95**

**Universal Back Adapter** (001695)  
 Multi adapter for Mamiya RB, 6x8 motor back, Linhof Rapid Rollex slide-in back 6x7 and Silvestri accessories.  
**Item # LIFBAUM679.....T.B.A.**

**Rapid Change Adapter Slide M679** (002758)  
 Permits the move from composition to exposure to be achieved simply. The image is composed on the groundglass, the slide is removed, and the rollfilm or digital back moves into the film plane. Composition and focus can be rechecked easily by reversing this procedure. Can be adapted to Hasselblad or be combined with the multi adapter.  
**Item #.....T.B.A.**

**Hasselblad Adapter** (002760)  
 For Rapid Change Adapter.  
**Item #.....T.B.A.**

**Multi Adapter** (002761)  
 For Rapid Change Adapter.  
**Item #.....T.B.A.**

**Polaroid Back** (001692)  
**Item #.....T.B.A.**

**Basic Light Hood** (002763)  
**Item #.....T.B.A.**

**Magnifier Viewing System 6x6 Schneider** (002756)  
 Permits the viewing of the 6x6 format with the magnifying factor of 3x. This accessory is inserted before the groundglass of the M679 Groundglass Back and firmly locked.  
**Item #.....T.B.A.**

**Magnifier Viewing Adapter 8x8 for Basic Light Hood** (002757)  
 Used with the Basic Light Hood permitting viewing of the total groundglass area.  
**Item #.....T.B.A.**

**Right Angle Reflex Attachment** (002755)  
 Offers an upright and unreversed image.  
**Item # LIVRM679.....737.95**

**Basic Compendium** (001939)  
 Includes filter holder.  
**Item #.....T.B.A.**

**Pro Compendium** (001940)  
 Includes filter holder, bellows and vignetting mask holder.  
**Item # LICPSM679.....1223.95**

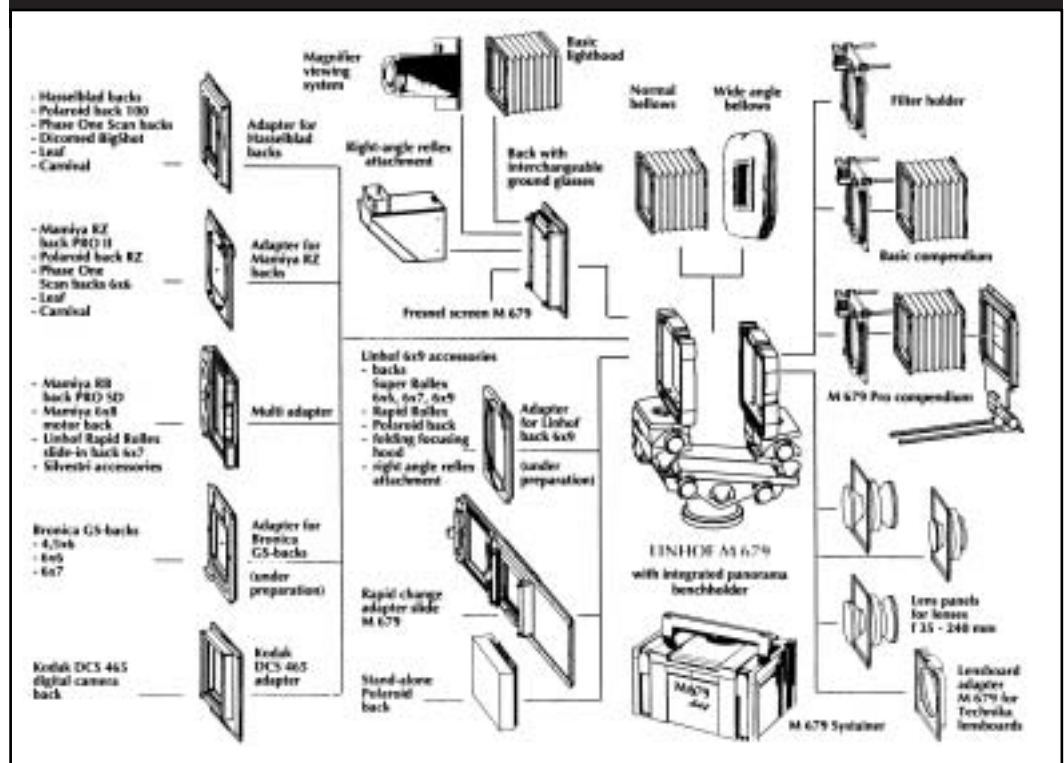
**Filter Holder** (001941)  
 For 105mm and 4x4" filters.  
**Item # LIFHM679.....492.50**

**Leaf Filter Wheel Holder** (003904)  
**Item #.....T.B.A.**

**Adapter** (001693)  
 For Grafflok type back 45 with Hasselblad.  
**Item #.....T.B.A.**

**M679 System Transportation System** (022491)  
 Replacement.  
**Item #.....T.B.A.**

### M679 Accessories



## TECHNIKARDAN 23S 2 1/4 x 3 1/4" SYSTEM

*The ultra-compact Technikardan cameras perfectly unite the compactness of the classical Technika dropped system and the optical bench versatility of the Kardan series. Fully adjustable mid-size view camera, providing the economy and convenience of roll film use without the corrective restrictions of rigid medium format systems. Center swings and tilts for quick and convenient perspective corrections and instant depth-of-field control. Multi-profile, triple extension monorail, and precision-machined dovetail fittings for all movements which are positively secured with color-coded locks for smooth and rapid operation.*



### FEATURES

- **Front and rear standards rotate 90° for vertical/horizontal and compact transportation position**
- **Quicklock 23 type groundglass back with lift-off levers**
- **Accepts all lenses in shutter on Technika style lensboards**
- **Sturdy L-brackets and zero click stops for swings and tilts assure perfect alignment under all operating conditions**
- **Shutter functions can be controlled behind the camera with Prontor TK lenses.**
- **Color coded locks for each movement**
- **The most compact of all monorail cameras**
- **On-axis tilts and swings**
- **Fully compatible with the complete Linhof system**

*Linhof Technikardan 23S Camera (000107) shown with optional TK lens, lensboard, and Prontor shutter*

**Linhof Technikardan 23S Camera (000107)**  
Complete with:  
13" bellows, 13" rail front and rear L-standards with spirit levels, quick change 23 back (021806), groundglass (021807), and lensboard (001013).  
**Item # LITK23S.....3,699.00**

### TECHNIKARDAN 23S SPECIFICATIONS

#### TILTS:

Front: 360°; Rear: 360°

#### SWINGS:

Front: 360°; Rear: 360°

#### RISE & FALL (COMBINED):

Front: 2.75" (70mm);  
Rear: 2.75" (70mm)

#### LATERAL SHIFT:

Front: 3.25" (86mm);  
Rear: 3.25" (86mm)

#### CAMERA BACK:

Quick Change Back  
accepts Standard 6x9  
Cut Film Holders,  
Super Rollex and  
Cine Rollex Roll Film Backs

#### FOCUSING SCREEN:

6x9 Groundglass  
with Grid Lines

#### INTERCHANGEABLE BELLOWS:

Yes

#### MINIMUM BELLOWS

**DRAW:**  
2" (48mm) with  
Wide-Angle Bellows

**MAXIMUM EXTENSION:**  
13.4" (340mm)

**MONORAIL LENGTH:**  
13" (330mm)

**LENSBOARD:**  
Linhof Technika Type  
96x99mm

#### FOLDED DIMENSIONS:

3.7 x 6.3 x 8.3"  
(95 x 160 x 210mm)

#### OVERALL DIMENSIONS:

4.9 x 6.5 x 8.2"  
(125 x 165 x 210mm)

#### WEIGHT:

5.3lbs. (2300g)

*Subject to change without notice*

## TECHNIKARDAN 45S 4x5 SYSTEM

*Full format flexibility, from the standard roll film sizes up to 4x5" cut film, including the remarkable 6x12cm wide-field images and all the appropriate Polaroid film formats. Snap-on 45 type groundglass back for horizontal/vertical orientation. Interchangeable bellows. Center swings and tilts with zero click stops for instant camera alignment and for reliable perspective corrections with convenient depth-of-field control. Multi-profile, triple extension monorail, precision-machined dovetail fittings for all movements which are positively secured with color-coded locks for smooth, rapid operation.*



Linhof Technikardan 45S Camera (000108) shown with optional TK lens, lensboard and Prontor shutter

### FEATURES

- Front and rear standards rotate 90° for vertical/horizontal and compact transportation position
  - Quicklock 4x5 type groundglass back with lift-off levers
  - Accepts all lenses in shutter on Technika style lensboards
  - Shutter functions can be controlled behind the camera with Pronto TK lenses
  - Sturdy L-brackets and zero click stops for swings and tilts assure perfect alignment under all operating conditions
  - Color-coded locks for each movement
  - Fully compatible with complete Linhof system
  - The most compact of all 4x5 mono rail cameras
  - On-axis tilts and swings
  - Studio camera features in a field camera size
- Linhof Technikardan 45S Camera (000108)  
Complete with:  
19" bellows, 19" rail front and rear L-standard with spirit level, 4x5 back, groundglass (021804), and lensboard (001013).  
Item # LITK45S.....3,295.00
- The most compact of all 4x5 monorail cameras

### TECHNIKARDAN 45S SPECIFICATIONS

#### TILTS:

Front: 360°;  
Rear: 360°

#### SWINGS:

Front: 360°;  
Rear: 360°

#### RISE & FALL:

Front: 2.75" (70mm);  
Rear: 2" (51mm)

#### LATERAL SHIFT:

Front: 3.25" (86mm);  
Rear: 4.25" (108mm)

#### CAMERA BACK:

International Standard 4x5

#### FOCUSING SCREEN:

4x5 Groundglass with Grid Lines

#### INTERCHANGEABLE

#### BELLOWS:

Yes

#### MINIMUM BELLOWS

DRAW:  
2.8" (70mm) with Wide-Angle Bellows

#### MAXIMUM EXTENSION:

19" (485mm)

#### MONORAIL LENGTH:

19" (482mm)

#### LENSBOARD:

Linhof Technika Type  
96x99mm

#### FOLDED DIMENSIONS:

4.3 x 8.5 x 10"  
(110 x 215 x 255mm)

#### OVERALL DIMENSIONS:

5 x 8.5 x 10"  
(125 x 215 x 255mm)

#### WEIGHT:

6.4lbs (2900g)

Subject to change without notice



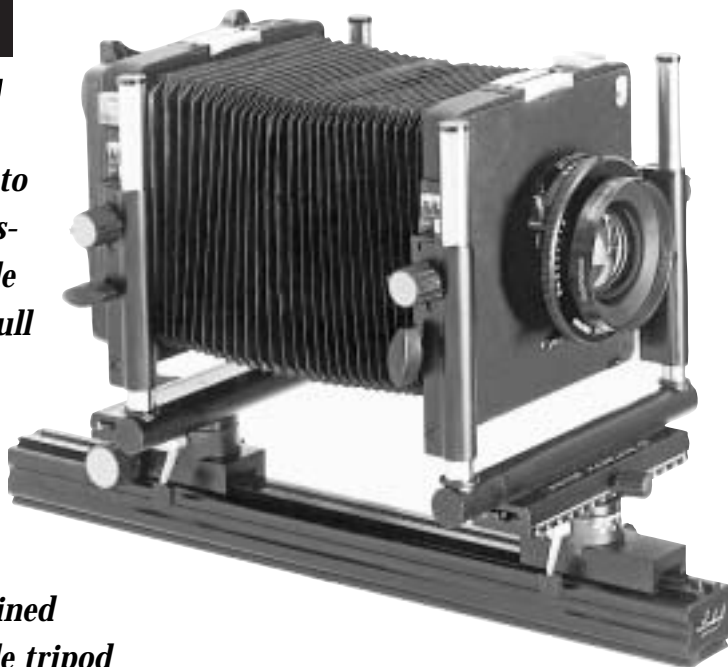
# L I N H O F

## KARDAN E45 4x5 SYSTEM

VIEW CAMERAS

184

*The affordable view camera for the first step into the Linhof system, and the ideal entry to professional large format techniques. Interchangeable bellows for extended wide-angle capability. Full range of view camera movements for total image control. Center swings and tilts, plus direct shifts to the limits of the image field covered. The angle scales read to 70° with 1° division. Solid all-metal design for long service life and professional heavy-duty stability. Precision-machined monorail with special dovetail base, and movable tripod bushings for convenient positioning on all tripods and tripods heads. Millimeter scale on monorail for exact depth-of-field calculation.*



Linhof Kardan  
E45 (000100),  
shown with optional lens.

### FEATURES

- **Highly rigid, easy to use and lightweight**
- **Extensive direct displacement for shift operation**
- **Interchangeable bellows for full wide-angle capability**
- **Easy and rapid horizontal/vertical format adjustment**
- **Front and rear center axis tilts eliminate image and focus shift**
- **Stable, vibration-free design**
- **Ideal for students and beginning pros**
- **Folds flat to fit into a smaller case**
- **Affordable entry into the Linhof system with most of the features of more expensive models**

Linhof  
Kardan E Camera (000100)  
Complete with:  
18" (450mm) monorail, standard bellows, front and back standards, groundglass back with grid lines, and blank lensboard (001080).  
**Item #**  
**LIKE45.....1,999.00**

### KARDAN E45 SPECIFICATIONS

**TRI-AXIAL TILTS:**  
Front: 80°; Rear: 80°

**CENTER TILTS:**  
Front: 75°; Rear: 75°

**SWINGS:**  
Front: 360°; Rear: 360°

**RISE & FALL (COMBINED):**  
Front: 3.3" (84mm);  
Rear: 3.3" (84mm)

**LATERAL SHIFT:**  
Front: 5.5" (140mm);  
Rear: 5.5" (140mm)

**CAMERA BACK:**  
International Standard 4x5"

**FOCUSING SCREEN:**  
4x5 Groundglass with Grid Lines

**INTERCHANGEABLE BELLOWS:**  
Yes

**MINIMUM BELLOWS DRAW:**  
3" (7.5cm)  
with wide-angle bellows

**MAXIMUM EXTENSION:**  
20" (508mm)

**MONORAIL LENGTH:**  
Telescopes from 15-23"

**YAW-FREE BASE TILT:**  
Yes

**LENSBOARD:**  
Linhof Kardan Type  
162x162mm Flat or Recessed

**DIMENSIONS:**  
15 x 9.5 x 14"  
(380 x 240 x 355mm)  
L.W.H.

**WEIGHT:**  
8.6lbs (3.9kg)

*Subject to change without notice*

**We Exhibit at National and Regional Shows/Conventions**



# L I N H O F

## KARDAN GT45 4x5 SYSTEM

*Lightweight system camera for studio and location, combining the proven design details of the Kardan range with an innovative monorail and base tilt elements, providing tri-axial camera adjustments to yield yaw-free movements, both with direct and indirect displacements. The modular design concept, in conjunction with the ingenious telescoping monorail, guarantees outstanding stability and provides full format flexibility with rapid conversion to 5x7 and 8x10". Special dovetail fittings allow for sliding the entire monorail back and forth freely on all tripod heads, thus featuring full macro focusing capability and wide-angle efficiency, as no encircling clamp has to be used.*



Linhof Kardan GT 45 Camera (000087), shown with optional lens, and Prontor shutter.

VIEW CAMERAS

185

### FEATURES

- **Yaw-free with precise parallel alignment**
- **Scales for repeat settings and instant depth-of-field calculations**
- **Center axis swings and tilts for uncomplicated Scheimpflug adjustments**
- **Parallel locks on base tilt guarantees perfect camera alignment**
- **Upgradeable to 5x7 or 8x10 format**
- **Outstanding stability, yet the camera weighs under 10 lbs.**
- **Perfect for professional and advanced amateurs alike**
- **Expanding monorail eliminates the need for costly add-on extensions**
- **Outstanding stability and full format flexibility**
- **Dovetail fittings fit full macro focusing capability**

Linhof Kardan GT 45 4x5 View Camera (000087) Complete with 15-23" (380-585mm) telescoping monorail, front and interchangeable back standard, standard bellows, snap-on Kardan back with groundglass back, grid screen and blank lens-board (001080).  
Item # LIKGT45.....3,095.00

### KARDAN GT45 SPECIFICATIONS

#### TRI-AXIAL TILTS:

Front: 80°; Rear: 80°

#### CENTER TILTS:

Front: 75°; Rear: 75°

#### SWINGS:

Front: 360°; Rear: 360°

#### RISE & FALL (COMBINED):

Front: 3.3" (84mm);  
Rear: 3.3" (84mm)

#### LATERAL SHIFT:

Front: 5.5" (140mm);  
Rear: 5.5" (140mm)

#### CAMERA BACK:

International Standard 4x5"

#### FOCUSING SCREEN:

4x5 Groundglass  
with Grid Lines

#### INTERCHANGEABLE BELLOWES:

Yes

#### MINIMUM BELLOWES

DRAW:  
3" (7.5cm)  
with wide-angle bellows

#### MAXIMUM EXTENSION:

20" (508mm)

#### MONORAIL LENGTH:

Telescopes from 15-23"

#### YAW-FREE BASE TILT:

Yes

#### LENSBOARD:

Linhof Kardan Type  
162x162mm Flat or  
Recessed

#### DIMENSIONS:

15 x 9.5 x 14" (380 x 240 x  
355mm) L.W.H.

#### WEIGHT:

9.7 lbs. (4.4kg)

Subject to change without notice



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

## KARDAN GTI 45 4x5 SYSTEM

*Modular multi-function monorail camera systems for all professional formats and all focal lengths lenses, from extreme tele (1200mm) to ultra short wide-angle (47mm). Based on the Kardan GT design (the "I" of GTI stands for infinity, but also marks the infinite versatility of this camera), this modular system actually consists of four individual camera configurations, each offering perfect solutions for long tele shots, flexible studio and location shooting and extreme wide-angle applications.*



### FEATURES

- **Excellent stability**
- **Lightweight construction, easy to carry**
- **Folds into flat carrying case**
- **Upgradeable to 5x7 format**
- **All features of GT 4x5**
- **Yaw-free with precise parallel alignment**
- **Scales for repeat settings and instant depth-of-field calculations**
- Kardan GTI 45 (000102)**  
Complete with multi-profile monorail 24-41" (61-104cm), front and rear interchangeable back standards 45, groundglass back 45, 2 normal 20" (500mm) bellows, auxiliary standard, bellows support, and blank lensboard (001080).  
**Item # LIKGTI45 .....4,099.00**
- **Center axis swings and tilts for uncomplicated Scheimpflug adjustments**
- **Parallel locks on base tilt guarantees perfect camera alignment**

### KARDAN GTI 45 SPECIFICATIONS

**TRI-AXIAL TILTS:**  
Front: 80°; Rear: 80°

**CENTER TILTS:**  
Front: 75°; Rear: 75°

**SWINGS:**  
Front: 360°; Rear: 360°

**RISE & FALL (COMBINED):**  
Front: 3.3" (84mm);  
Rear: 3.3" (84mm)

**LATERAL SHIFT:**  
Front: 5.5" (140mm);  
Rear: 5.5" (140mm)

**CAMERA BACK:**  
International Standard  
4x5"

**FOCUSING SCREEN:**  
4x5 Groundglass  
with Grid Lines

**INTERCHANGEABLE BELLOWES:**  
Yes

**MINIMUM BELLOWES  
DRAW:**  
3" (7.5cm) with wide  
angle bellows

**MAXIMUM EXTENSION:**  
40" (1000mm)

**MONORAIL LENGTH:**  
Telescopes from 24-41"  
(61-104cm)

**YAW-FREE BASE TILT:**  
Yes

**LENSBOARD:**  
Linhof Kardan Type  
162x162mm Flat or  
Recessed

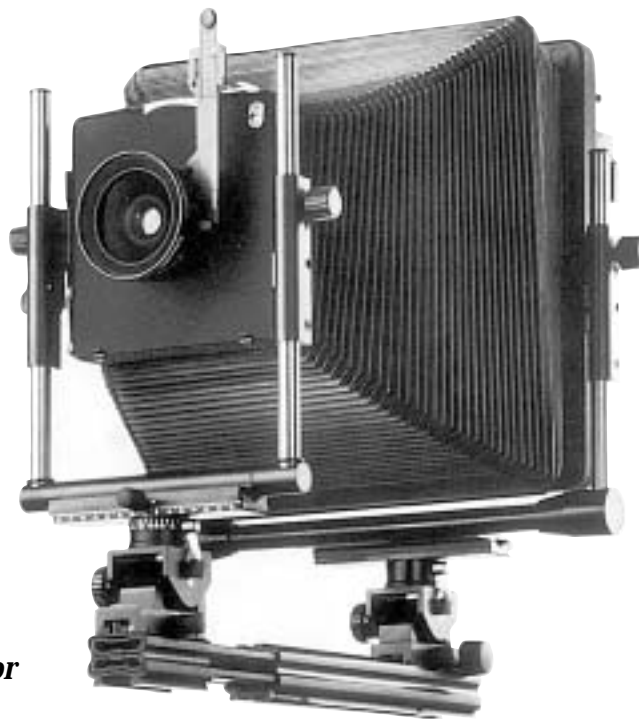
**WEIGHT:**  
20 lbs. (8.8kg)

*Subject to change without notice*

# LINHOF

## KARDAN GT810 8x10 SYSTEM

*The superior alternative for studio and location, with the same basic features as the smaller GT 45. Precision engineered for unsurpassed rigidity and long service life. All locking systems are user-serviceable to maintain factory-adjusted smoothness of all movements and freedom from play, even after years of rugged use. In spite of its lightweight design, the Kardan GT 8x10 is the ideal mobile large format system camera with multi-format flexibility. Pre-calibrated zero locks and tilt detentes for a highly efficient and speedy camera operation, base tilt locks for yaw-free direct and indirect displacements.*



*Linhof Kardan GT 810 (000089) shown with optional lens, and aperture control*

VIEW CAMERAS

187

### FEATURES

- **Yaw-free with precise parallel alignment**
- **Center swings and tilts for uncomplicated Scheimpflug adjustments**
- **Precise and convenient depth-of-field calculation, even in the macro**
- **Parallel locks on base tilt guarantees perfect camera alignment**
- **Instant change to smaller formats either through reducing backs or complete conversion kits**
- **User-serviceable locking systems**
- **Combines lightweight construction with optimum sturdiness**
- **Precision engineered for unsurpassed rigidity and long life**
- **Superior alternative for studio and location due to its relative light weight**

Linhof  
Kardan GT 810 (000089)  
Complete with:  
Telescoping monorail 23.5-32" (600-800mm), front and rear standards with spirit levels, double conical bellows 29.5 (750mm), 8x10 back, groundglass and lensboard (001080).  
Item #  
**LIKGT810.....4,995.00**

### KARDAN GT810 SPECIFICATIONS

#### TRI-AXIAL TILTS:

Front: 80°; Rear: 80°

#### CENTER TILTS:

Front: 75°; Rear: 75°

#### SWINGS:

Front: 360°; Rear: 360°

#### RISE & FALL (COMBINED):

Front: 6.3" (160mm);  
Rear: 6.3" (160mm)

#### LATERAL SHIFT:

Front: 5.5" (140mm);  
Rear: 5.5" (140mm)

#### CAMERA BACK:

International Standard  
8x10"

#### INTERCHANGEABLE BELLOWS:

Yes

#### MINIMUM BELLOWS

**DRAW:**  
3.5" (9cm)  
with wide-angle bellows

**MAXIMUM EXTENSION:**  
19.5" (749mm)

**MONORAIL LENGTH:**  
Telescopes from 23.5-32"

**YAW-FREE BASE TILT:**  
Yes

#### LENSBOARD:

Linhof Kardan Type  
162x162mm Flat or Recessed

#### DIMENSIONS:

23.5 x 17 x 19.5"  
(600 x 435 x 495mm) L.W.H.

#### WEIGHT:

16.5 lbs. (7.5kg)

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

## KARDAN MASTER GTL 45 4x5 SYSTEM

*The most sophisticated and technically perfect monorail system in the Linhof line. A superbly engineered heavy duty studio camera with all the proven advantages of the Kardan design principle, and the added convenience of yaw-free direct and indirect parallel shifts. The modular Kardan GTL combines maximum stability with extended adjustment facilities and extremely smooth movements. Solid brass micro drives offer the greatest amount of corrective control of any camera system available today. In spite of their traditional look, L-shaped view cameras represent a generational advance in camera design and unprecedented levels of technical excellence.*



*Linhof Kardan Master GTL 45 Camera (000097) shown with optional lens and aperture control*

### FEATURES

- Yaw-free indirect displacements with inclined monorail
- Spirit level on rear standard
- Upgradeable to 5x7 and 8x10 format
- Rigid extending telescopic monorail 18-25"
- L-bracket design for easy access to swings and tilts
- Top-of-the-line, heavy-duty studio camera will give many years of trouble-free service
- Precise and convenient depth-of-field calculation, even in the macro
- Folds flat to fit into a smaller case
- On-axis tilts and swings
- Freely adjustable, asymmetrical "floating" tilt axis on the rear standard allows the use of the "two point focusing system" on AMS models

Linhof Kardan Master GTL 45 Camera (000090)  
Complete with:  
telescoping monorail 18-25" (450-625mm), L-type front and back standards with spirit levels, normal bellows 20" (500mm), snap-on auto back groundglass back, and blank lensboard (001080).  
Item # **LIKGT45Q.....5,395.00**

Linhof Kardan Master GTL 45 AMS Camera (000097)  
Item # **LIKMGTL45..7,599.00**

### KARDAN MASTER GTL45 SPECIFICATIONS

**CENTER TILTS:**  
Front: 360°; Rear: 360°

**TRI-AXIAL TILTS:**  
Front: 80°; Rear: 80°

**SWINGS:**  
Front: 360°; Rear: 360°

**RISE & FALL (COMBINED):**  
Front: 7.9" (200mm);  
Rear: 4.9" (125mm)

**LATERAL SHIFT:**  
Front: 4" (100mm);  
Rear: 4" (100mm)

**CAMERA BACK:**  
International Standard 4x5"

**FOCUSING SCREEN:**  
4x5 Groundglass  
with Grid Lines

**INTERCHANGEABLE BELLOWS:**  
Yes

**MINIMUM BELLOWS DRAW:**  
3" (7.5cm)  
with wide-angle bellows

**MAXIMUM EXTENSION:**  
22.6" (575mm)

**MONORAIL LENGTH:**  
Telescopes from 18-25"

**YAW-FREE BASE TILT:**  
Yes

**LENSBOARD:**  
Linhof Kardan Type  
162x162mm Flat or  
Recessed

**FOLDED DIMENSIONS:**  
17.7 x 11.2 x 17.5"  
(450 x 285 x 445mm)

**WEIGHT:**  
18.25 lbs. (8.3kg)

*Subject to change without notice*



# LINHOF

## KARDAN MASTER GTL 810 8x10 SYSTEM

*The advanced engineering and superb craftsmanship of the Kardan GTL designs is further perfected in the 8x10 model which features even more mechanical refinements to cope with the added stability requirements of this large format. This is the ideal modular system for heavy duty professional use. In addition to all the standard GTL features, the 8x10 version is equipped with extra solid brass geared rack and pinion drives for cross shifts and rise on front and rear standards, with an adjustable one-way brake for optimum load compensation.*

### FEATURES

- **Yaw-free indirect displacement with inclined monorail**
- **Interchangeable to 5x7 or 4x5**
- **Rigid extending telescopic monorail 30-36"**
- **Spirit level on rear standard**
- **L-Bracket design for easy accessibility to swings and tilts**
- **Precise and convenient depth-of-field calculation, even in the macro**
- **Folds flat to fit into a smaller case than many other 8x10 cameras**
- **Top-of-the-line, heavy-duty studio camera will give many years of trouble-free service**
- **On-axis tilts and swings**

Linhof Kardan Master GTL 810 Camera (000092)  
Complete with:  
heavy-duty telescoping monorail 25-35" (63-90cm), L-type front and rear standards, bellows support, double conical bellows 810 34" (87cm), 8x10 groundglass back groundglass, and blank lensboard (001080).  
**Item # LIKGTL810.....9,999.00**



Linhof Kardan Master GTL 810 Camera (000092)  
shown with optional lens and aperture control

VIEW CAMERAS

189

## KARDAN MASTER GTL810 SPECIFICATIONS

### CENTER TILTS:

Front: 360°; Rear: 360°

### TRI-AXIAL TILTS:

Front: 80°; Rear: 80°

### SWINGS:

Front: 360°; Rear: 360°

### RISE & FALL (COMBINED):

Front: 7.9" (200mm);  
Rear: 3.7" (93mm)

### LATERAL SHIFT:

Front: 4" (100mm);  
Rear: 4.3" (110mm)

### CAMERA BACK:

International Standard  
8x10"

### FOCUSING SCREEN:

8x10 Groundglass  
with Grid Lines

### INTERCHANGEABLE BELLOWS:

Yes

### MINIMUM BELLOWS DRAW:

3.5" (9cm)  
with wide-angle bellows

### MAXIMUM EXTENSION:

29.9" (760mm)

### MONORAIL LENGTH:

Telescopes from 30-36"

### YAW-FREE BASE TILT:

Yes

### LENSBOARD:

Linhof Kardan Type  
162x162mm Flat or  
Recessed

### FOLDED DIMENSIONS:

24.8 x 16.7 x 24"  
(630 x 425 x 610mm)

### WEIGHT:

28.75lbs (13kg)



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



### BODY ACCESSORIES

#### Bellows

**2x3 Standard Bellows** (002725)  
13" normal bellows for  
Technikardan 23.  
(Replacement.)  
*Item # LIBNTK23 .....228.50*

**2x3 Wide-Angle  
Bellows** (002724)  
For Technikardan 23.  
*Item # LIBWATK23.....242.95*

**4x5 Standard Bellows** (002726)  
19" normal bellows for  
Technikardan 45.  
(Replacement.)  
*Item # LIBNTK45 .....566.95*

**4x5 Wide-Angle  
Bellows** (002723)  
For Technikardan 45.  
*Item # LIBWATK45.....312.95*

**4x5 Standard Bellows** (002737)  
Standard bellows for discontin-  
ued Kardan ST-E.  
*Item # LIBNKSTE45.....377.95*

**4x5 Wide-Angle  
Bellows** (002731)  
Wide-angle bellows for discontin-  
ued Kardan ST-E.  
*Item # LIBWAKSTE45...526.50*

**4x5 Standard Bellows** (002714)  
20" standard bellows for all  
Kardan 4x5 cameras, except  
ST-E. Also used to add bellows  
extension with optional auxil-  
iary standard. (Replacement.)  
*Item # LIBNKGT45 .....421.95*

**4x5 Wide-Angle  
Bellows** (002584)  
8.5" wide-angle bellows for all  
Kardan 4x5 cameras, except  
ST-E. Also used to add bellows  
extension with optional auxil-  
iary standard.  
*Item # LIBWAKGT45 ..603.95*

**5x7 Standard Bellows** (002590)  
21.5" normal bellows for all  
5x7 cameras.  
*Item # LIBNK57.....869.95*

**5x7 Wide-Angle Bellows**  
(002591)  
13" (330mm) wide-angle bel-  
lows for all 5x7 cameras.  
*Item # LIBWAKGT45 ..967.50*

**8x10 Standard Bellows** (002697)  
18.4" normal bellows for all  
8x10 cameras.  
*Item # LIBNK810.....967.50*

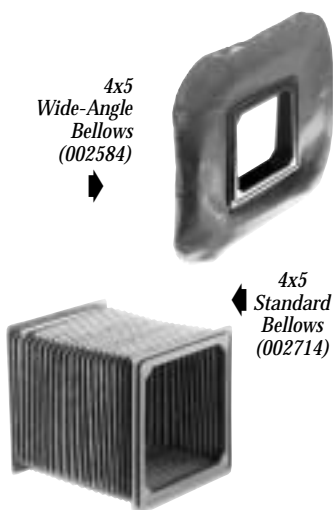
**8x10 Standard Conical Bellows**  
(002696)  
30" (750mm) double conical  
bellows for all 8x10 cameras.  
*Item # LIBDCKGT810...1,772.95*

**8x10 Standard Bellows** (002739)  
34" (870mm) normal bellows  
for all 8x10 cameras.  
*Item # LIBNKGT810 ..1,904.95*

**8x10 Wide-Angle Bellows**  
(002619)  
13" (330mm) wide-angle bel-  
lows for all 8x10 cameras.  
*Item # LIBWAKGT810..1,144.95*

**Bellows Support** (002733)  
For Kardan GT.  
*Item # LIBSKGT.....216.95*

**Bellows Support** (002728)  
For Kardan GTL.  
*Item # LIBSKGT .....216.95*



#### Camera Extensions

Kardan cameras can be extended for extreme telephoto or close-up work. The following cameras can be extended.

Camera	From Maximum Extension	To Maximum Extension	Items to Purchase
GT 45	20" (500mm)	32" (800mm)	#1, 3, 5 and 6
GT 57	20" (500mm)	32" (800mm)	#1, 3, 5 and 6
GTL 45	22" (575mm)	36½" (925mm)	#2, 4 and 5
GTL 57	22" (575mm)	36½" (925mm)	#2, 4, 5 and 7
GTL 810	30" (760mm)	46" (1160mm)	#2, 4, 5 and 7

**#1 Long  
Monorail GT** (002730)  
From 24-32" (600-800mm).  
*Item # LIMRLKGT.....509.95*

**#2 Long Monorail  
GTL 900mm** (002738)  
*Item # LIMRLKGT45....292.50*

**#3 Auxiliary  
Standard GT** (002683)  
*Item # LISAKGT.....452.50*

**#4 Auxiliary Standard** (002708)  
*Item # LISAKGT.....646.95*

**#5 4x5 Standard Bellows** (002714)  
For additional bellows extension.  
*Item # LIBNKGT45.....421.95*

**#6 Bellows Support GT** (002733)  
*Item # LIBSKGT.....216.95*

**#7 Bellows Support GTL** (002728)  
*Item # LIBSKGT.....216.95*

#### Macro Support Brackets

These tele-macro rails stabilize the camera when extremely extended.

**Macro Support Bracket** (002740)  
For Technikardan 23.  
*Item # LIBMSTK23.....299.50*

**Macro Support Bracket** (002741)  
For Technikardan 45.  
*Item # LIBMSTK45.....299.50*

#### Camera Backs

All cameras come with camera backs. However, when format conver-  
sion or format reducing is desired, a camera back must be purchased.

**45 Groundglass Back** (001630)  
For Kardan 4x5 cameras.  
Consists of snap-on camera  
frame, groundglass and  
removable groundglass frame  
with spring-back system.  
*Item # LIBGGFK45 ....1,034.50*

**45 Auto  
Groundglass Back** (001677)  
For Kardan 4x5 cameras.  
Same as above. For film holder  
controlled shutter operation  
(Prontor self-cocking shutters).  
*Item # LIABGGFK45..1,144.95*

**57 Groundglass Back** (001634)  
For Kardan 5x7 cameras.  
Same as 45 groundglass back.  
*Item # LIBGGFK57 ....1,177.95*

**57 Groundglass Back** (001681)  
For Kardan 57 cameras. Same  
as 45 Auto Groundglass Back.  
*Item # LIABGGFK57 ...1,288.50*

**810 Auto  
Groundglass Back** (001687)  
For Kardan 8x10 cameras.  
Same as 45 Auto Groundglass  
Back (001677).  
*Item # LIABGGFK810 ..2,069.95*



### BODY ACCESSORIES, cont.

#### Format Conversion

##### Conversion Kit

GT 45/810 to 5x7 (002712)

Converts Kardan GT 4x5 or Kardan GT 810/GTL 810 to 5x7. Consists of 5x7 standard bellows (002590), GT 5x7 rear standard U-frame and 5x7 groundglass back.

Item #

**LICK4557KGTL.....2,855.95**

##### Conversion Kit

GT 45/57 to 8x10 (002732)

Consists of 8x10 Standard bellows (002739), 8x10 rear standard frame, 8x10 groundglass back and long GT monorail 800mm.

Item #

**LICK45810KGT.....4,799.95**

##### Conversion Kit

GT 57/810 to 4x5 (002713)

Converts Kardan GT 5x7 or Kardan GT 810/GTL 810 to 4x5. Consists of 4x5 standard bellows (002714), rear U-frame GT 45 and Kardan groundglass back 4x5.

Item # **LICK5745KGT..2,531.95**

##### Conversion Kit

Kardan GTL 45 to 5x7 (002700)

Converts Kardan GTL 4x5 to 5x7.

Item #

**LICK4557KGTQ.....2,542.95**

##### Conversion Kit

Kardan GTL 45/57

to 8x10 (002736)

Converts Kardan GTL 4x5 or 5x7 to 8x10..

Item # **LICK45810KGQ ..8,839.95**

##### Conversion Kit

Kardan 57 to 4x5 (002702)

Converts Kardan GTL 5x7 to 4x5.

Item # **LICK5745KGTL...1,639.95**

*For Reducing Backs,  
see Back Accessories.*



### VIEWING ACCESSORIES

#### Multifocus Optical Viewfinder

A truly versatile accessory which not only determines with accuracy the selected picture area, but can also be used to determine the focal length if the location is already known. The photographer can use the viewfinder by itself to establish the focal length and selected picture area by turning the focal length ring. The Multifocus Optical Viewfinder is also used to determine the correct place for the camera. If focal length and image field have already been determined, it is easy to find the correct place for the camera with the aid of the viewfinder, which means that it is not necessary to keep moving the camera and tripod.

##### 23 Multifocus Finder (001388)

Distance scale in feet. Includes 6x9 mask for Super Technika 23 and other 2x3 cameras.

Item # **LIFMF23 .....1,398.50**

##### 45 Multifocus Finder (001378)

With 4x5 mask for Master Technika 45 and other 4x5 cameras.

Item # **LIFMF45 .....1,398.50**

##### 9x12cm Mask (001379)

For 45 Multifocus Finder.

Item # **LIM912MFF45...125.95**

##### 612 Mask (001444)

6x12cm mask for 45 Multifocus Finder.

Item # **LIM612MFF45...125.95**

##### 23 Mask (001381)

6x9cm mask for 45 Multifocus Finder.

Item # **LIM69MFF45.....125.95**

##### 67 Mask (001382)

6x7cm mask for 45 Multifocus Finder.

Item # **LIM67MFF45.....125.95**



*Multifocus  
Finder  
(001388)  
(001378)*

##### 66 Mask (001383)

6x6cm mask for 45 Multifocus Finder.

Item # **LIM66MFF45.....119.50**

##### 45 Mask (001385)

4x5~ mask for 45 Multifocus Finder. (Replacement.)

Item # **LIM45MFF45.....125.95**

##### Polaroid Mask (001386)

For 45 Multifocus Finder.

Item # **LIMPMFF45.....125.95**

##### 66 Mask (001396)

6x6cm mask for 23 Multifocus Finder.

Item # **LIM66MFF23.....119.50**

##### 67 Mask (001397)

6x7cm mask for 23 Multifocus Finder.

Item # **LIM67MFF23.....125.95**

#### Groundglass



*45 Auto  
Groundglass  
Frame (001639)*

##### 45 Groundglass AMS (021831)

For Kardan 4x5 AMS cameras. With grid lines and 4x5 scoring.

Item # **LIGG45KMGTL...49.95**

##### 45 Groundglass (021812)

For Kardan 4x5 cameras. Grid lines and scoring. For 6x12cm.

Item # **LIGGCS45 .....57.95**

##### 45 Groundglass with Center Cross (021824)

For Kardan 4x5 cameras. For macro photography.

Item # **LIGGMG45.....49.95**

##### 4x5 Groundglass Frame (001615)

For Kardan 4x5 cameras. With spring-loaded retaining clips and groundglass (021805).

Item # **LIGGFK45 .....509.95**

##### 45 Auto Groundglass Frame (001639)

Same as above. For film holder controlled shutter operation (Prontor self-cocking shutter).

Item # **LIGGFABK45.....474.95**

##### 57 Groundglass (021802)

For Kardan 5x7 cameras. With grid lines and scoring.

Item # **LIGGG57 .....66.50**

##### 57 Groundglass with Center Cross (021808)

For Kardan 5x7 cameras. Clear center spot and 5x7 scoring.

Item # **LIGGCS57 .....69.95**

##### 57 Groundglass AMS (021830)

For Kardan 5x7 AMS cameras. With grid lines and 5x7 scoring.

Item # **LIGG57KMGTL...68.95**

##### 810 Groundglass with Center Cross (021816)

For Kardan 8x10 cameras. Clear center spot and 8x10 scoring.

Item # **LIGGG810 .....94.50**



### VIEWING ACCESSORIES, *continued*

#### Fresnel Lenses

Highly useful accessory which increases the corner brightness of the groundglass image by about 4x. Recommended for wide-angle lenses and reflex mirror usage. Mandatory for accurate exposure readings with the focusing/measuring bellows.

**Fresnel Screen 23** (002566)  
For all 2x3 cameras.  
**Item # LIF23.....164.95**

**45 Fresnel Screen** (002522)  
For all 4x5 cameras.  
**Item # LIF45.....204.50**

**57 Fresnel Screen** (021822)  
For all 5x7 cameras.  
**Item # LIF57.....228.50**



**810 Fresnel Screen** (022561)  
For all 8x10 cameras.  
**Item # LIF810.....307.95**

#### Super Screen

A super-bright viewing system for 4x5 cameras. The one-piece Super Screen replaces both the groundglass and the fresnel screen currently used with view cameras. The Super Screen features an amazingly bright image (up to 50% brighter than other intensified screens) without the "Hot Spot" or "blackout" normally associated with intensified viewing systems.

**45 Super Screen** (052522)  
**Item # LISS45.....79.95**

**Grid Overlay** (052523)  
For 4x5 Super Screen.  
**Item # LIOLSS45.....27.50**

#### Focusing Hoods

Detachable, folding focusing hoods serve as light shields and protective covers for the groundglass. Spring-loaded retaining hinge and retaining clip for darkslide.

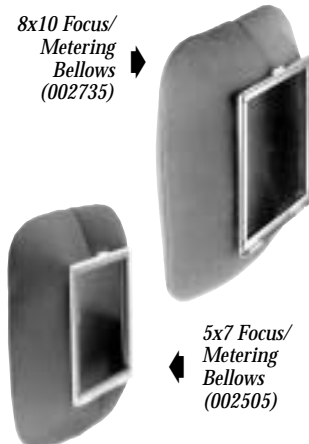
**23 Folding Focusing Hood** (001613)  
For 2x3 cameras. With metric depth-of-field table.  
**Item # LIFFH23.....324.95**

**45 Focusing Hood** (001612)  
For 4x5 Cameras. With feet depth-of-field table.  
**Item # LIFFH45.....439.95**

**57 Folding Focusing Hood** (021822)  
For 5x7 cameras. With metric depth-of-field table.  
**Item # LIF57.....228.50**

**23 Right Angle Reflex Attachment** (002629)  
With 4-way adjustable reflex housing, for vertical and horizontal viewing. Ideal for critical observation of the entire groundglass image. Shows upright image. Includes 2x magnifier covers for groundglass area.  
**Item # LIFR23.....508.50**

8x10 Focus/  
Metering  
Bellows  
(002735)



5x7 Focus/  
Metering  
Bellows  
(002505)

**45 Right Angle Reflex Attachment** (002628)  
Same as above.  
For 4x5 cameras.  
**Item # LIFR45.....764.95**

**57 Right Angle Reflex Attachment** (002507)  
With fixed reflex housing for vertical viewing. Built-in 2x magnifier covers full groundglass area.  
**Item # LIFR57.....713.50**

**23 Focus/Metering Bellows** (002504)  
For 2x3 cameras. Dual magnifier with spring-loaded retaining hinge and built-in 2x magnifier for overall view of groundglass image. Additional 2x magnifier allows critical focusing of selected areas. Also used as metering bellows in conjunction with Luna-Pro (Luna-Six) and Luna-Pro SBC (Profisix) exposure meters.  
**Item # LIBFM23 .....609.95**

**45 Focus/Metering Bellows** (002503)  
Same as above.  
For 4x5 cameras.  
**Item # LIBFM45 .....634.95**

**57 Focus/Metering Bellows** (002505)  
Same as above.  
For 5x7 cameras.  
**Item # LIBFM57 .....762.95**

**810 Focus/Metering Bellows** (002735)  
Same as above.  
For 8x10 cameras.  
**Item # LIBFM810 .....779.95**

#### Miscellaneous Viewing Accessories

**8x Focusing Magnifier** (002645)  
With transparent tube, for non-transparent objects.  
**Item # LIL8X .....189.95**

**Spirit Level** (002599)  
Clear plexiglass dual level for horizontal and vertical levelling.  
**Item # LISL .....55.95**



### BACK ACCESSORIES

#### Reducing Backs

**810 to 45 Reducing Frame** (001672)  
Fits Kardan 8x10 cameras. Includes Graflock-type fittings to accept 4x5 cut film holders, polaroid 4x5 backs and 4x5 super Rollex backs. Additional use of groundglass frame (001615) for framing and focusing is required.  
**Item # LIRF81045K.....982.50**

**810 to 57 Reducing Frame** (001659)  
Fits Kardan 8x10 cameras made after 1968. Additional use of 5x7 groundglass back (001634 or 001681) is required to accept 5x7 film holders.  
**Item # LIRF81057K.....978.50**



57 to 45 Reducing Frame (001636)

**57 to 45 Reducing Frame** (001636)  
Fits Kardan 5x7 cameras. Additional use of 4x5 groundglass back (001630 or 001677) is required to accept 4x5 film holders or backs.  
**Item # LIRF5745K.....755.95**

**57 to 45 Polaroid Reducing Back** (001558)  
Allows direct insertion of Polaroid 545 backs onto 5x7 cameras.  
**Item # LIPA54557 .....509.95**

#### 2x3 Polaroid Back

**Polaroid Back 23** (001666)  
Modified 405 back. Fits Polaroid 600 series film.  
**Item # LIFBP23 .....788.50**





### BACK ACCESSORIES, *continued*

#### Rollfilm Backs for 2x3 Cameras

**6x6 Super Rollex Film Back** (001526)  
With rapid winding lever, in conjunction with a sophisticated ball-bearing freewheel transport system, automatic film counter, note pad and clip for film tag. 120 film, 6x6cm, 12 exposures.  
**Item # LISR6612023 1,817.50**

**6x7 Super Rollex Film Back** (001460)  
120 film, 6x7cm, 10 exposures.  
**Item # LISR6712023 1,817.50**

**6x7 Super Rollex Film Back** (001465)  
220 film, 6x7cm, 20 exposures.  
**Item # LISR6722023 1,817.50**

**6x9 Super Rollex Film Back** (001524)  
120 film, 6x9cm, 8 exposures.  
**Item # LISR6912023 1,817.50**

**6x7 Rapid Rollex Film Back** (001566)  
120 film, 6x7cm, 10 exposures. Slide-in film holder fits between groundglass and camera, same as cut film holder. Camera back is not removed.  
**Item # LIRR6723.....1,177.95**

**70mm Cine Rollex Film Back** (001457)  
53 exposures on 70mm perforated film, with automatic exposure counter and film winding lever. Film is spooled from one daylight loading cartridge into the other. No rewinding, which greatly minimizes the risk of film scratches. Mounts on camera without film back. Supplied with two empty 70mm cartridges (022508).  
**Item # LICR6723.....2,389.50**

**70mm Cassette** (022508)  
(Replacement for above.)  
**Item # LIC70CR .....69.95**



6x9 Super Rollex Film Back (001524)



6x7 Super Rollex Film Back (001460)

**70mm Reel** (022510)  
(Replacement for above.)  
**Item # LICR70 .....22.95**

**70mm Cartridge Case** (022509)  
For 70mm cassette.  
**Item # LICC70 .....66.50**

**Storage Box** (022511)  
For two 70mm cassettes.  
**Item # LISC70.....57.95**

**Hasselblad Film Back Adapter** (001565)  
With this adapter, Hasselblad film backs can be used on all 2x3 cameras.  
**Item # LIFBAHTK23 ...567.95**

**Bronica G Film Back Adapter** (001685)  
Enables Bronica GS-1 backs to be used on all 2x3 cameras.  
**Item # LIFBAB .....614.50**

#### Rollfilm Backs for All Standard 4x5 Camera Backs

Super Rollex 45 Backs for all standard 4x5 camera backs. With rapid winding lever and a sophisticated ball-bearing freewheel transport system.



6x7 Super Rollex Film Back (001464)

**6x6 Super Rollex Film Back** (001527)  
120 film, 6x6cm, 12 exposures (2 1/4 x 2 1/4").  
**Item # LISR6612045...1,817.50**

**6x7 Super Rollex Film Back** (001459)  
120 film, 6x7cm, 10 exposures (2 1/4 x 2 1/4").  
**Item # LISR6712045...1,817.50**

**6x7 Super Rollex Film Back** (001464)  
220 film, 6x7cm, 20 exposures (2 1/4 x 2 1/4").  
**Item # LISR6722045...1,817.50**

**6x9 Super Rollex Film Back** (001523)  
120 film, 6x9cm, 8 exposures (2 1/4 x 3 1/4").  
**Item # LISR6912045...1,817.50**

**6x7 Rapid Rollex Film Back** (001567)  
120 film, 6x7cm (2 1/4 x 2 1/4") slide-in roll film holder. Fits between groundglass and camera, same as cut film holder. Camera back is not removed.  
**Item # LIRR6745.....1,177.95**

**35mm Super Rollex Film Back** (001568)  
35mm film, 24 x 36mm, 30 exposures.  
**Item # LISR3545.....1,817.50**

**6x12 Techno Rollex Film Back** (001560)  
120 film, 6x12cm, 6 exposures (2 1/4 x 4 1/4").  
**Item # LITR61245.....2,917.95**

**70mm Cine Rollex 6x7 Film Back** (001456)  
53 exposures, 2 1/4 x 2 1/4"/6x7cm on 70mm perforated film, with automatic exposure counter and film winding lever. Film is spooled from one daylight loading cartridge into the other. No rewinding, which greatly minimizes the risk of film scratches. Supplied with 2 empty 70mm cartridges (022508).  
**Item # LICR6745 .....2,389.50**



70mm Cine Rollex 6x7 Film Back (001456)

**Super Rollex Insert** (001528)  
12 exposures, 2 1/4 x 2 1/4"/6 x 6cm. (Replacement for 23 and 45 film backs for 120 film.)  
**Item # LIH66120SR .....1,254.95**

**Super Rollex Insert** (001467)  
10 exposures, 2 1/4 x 2 1/4"/6 x 7cm. (Replacement for 23 and 45 film backs for 120 film.)  
**Item # LIH67120SR .....1,254.95**

**Super Rollex Insert** (001525)  
8 exposures, 2 1/4 x 3/4"/6 x 9cm. (Replacement for 23 and 45 film backs for 220 film.)  
**Item # LIH69120SR .....1,254.95**

**Super Rollex Insert** (001462)  
20 exposures, 2 1/4 x 2 1/4"/6 x 7cm. (Replacement for 23 and 45 film backs for 120 film.)  
**Item # LIH67220SR .....1,254.95**

**6x12 Techno Rollex Film Insert** (001562)  
For 220 film, 12 exposures, 2 1/4 x 4 1/4"/6 x 12cm.  
**Item # LIITR .....464.50**



### BACK ACCESSORIES, *continued*

#### 70mm Accessories

**70mm Cartridge with Reel** (022508)  
**Item # LIC70CR.....69.95**

**70mm Reel** (022510)  
(Replacement for 022508  
70mm Cartridge with Reel.)  
**Item # LICR70.....22.95**

**70mm Cartridge Case** (022509)  
For 70mm cassette.  
**Item # LICC70.....66.50**

**Storage Box** (022511)  
For two 70mm cassettes.  
**Item # LISC70.....57.95**

**Bulk Film Loader**  
for 70mm Film (002513)  
For spooling 70mm film in cassette.  
**Item # LIBFL70.....833.95**

*Bulk  
Film Loader  
for 70mm Film (002513)*



#### Film Plane Metering

Using the focusing/metering bellows (*see View Accessories*), TTL metering can be achieved together with a handheld Gossen Luna-Pro, Luna-Pro F, Luna-Pro S and Luna-Pro SBC. This system provides a highly accurate average reading, as well as semi-spot readings of selected image portions, taking into account such variables as subject brightness, filter factor and bellows extension. For correct results, a fresnel screen or super screen should be used.

**Adapter for Gossen Luna-Pro** (002581)  
Also for Gossen Luna-Pro S  
and Luna-Pro F.  
**Item # LIGA.....134.95**

**Adapter for Gossen Luna-Pro SBC** (002710)  
**Item # LIGLSA.....134.95**

**Luna Pro S** (4020)  
Provides accurate reflected or incident light readings in all kinds of light, from a flickering candle to a bright summer's sun. As a system meter, it will provide correct exposures in any situation. Wide range of optional accessories further increase versatility.  
**Item # GOLPS.....199.95**

**Luna Pro F** (4030)  
Measures both continuous light and flash. A silicon blue sensor for instantaneous reading of high and low light levels. Incorporates a null meter readout. Determines scene brightness range and lighting ratios, which can be read directly from the meter at any light level.  
**Item # GOLPF.....289.95**

**Luna Pro SBC** (4025)  
Reads accurately down to -4 EV for extreme low light capability. It also provides  $\pm 3$  f-stop scale for direct read-out of brightness range, Zone System values and lighting ratios.  
**Item # GOLPSBC.....251.95**



### FRONT ACCESSORIES

#### Bellows Hoods (Compendium Lens Shade)

Bellows hoods are used to eliminate unwanted glare. They accept 4x4" (10x10cm) gels, are horizontally and vertically adjustable and swing up to change lenses.

**Compendium Hood Technika 45** (001926)  
Also for discontinued ST 45/57.  
**Item # LICHT45.....538.95**

**Compendium Hood Technikardan 23/45** (001931)  
For Technikardan 23 or Technikardan 45.  
**Item # LICHTK45.....538.95**

**Compendium Hood Kardan** (001927)  
For Kardan E, GT and GTL.  
**Item # LICHK.....538.95**

**Professional Compendium Hood** (001929)  
For Kardan cameras. Best possible flare-free exposures and optimum filter flexibility with all lenses. Accepts 4x4" (10x10cm) gels, as well as 105mm screw-in filters. Bellows portion can be removed, and rear portion can be used as a special filter holder for wide angle lenses. Twin rail guide system provides free access to the lens.  
**Item # LICHPK.....1,024.95**

**Filter Holder** (001933)  
For 95mm glass screw-in filters. Accepts 4x4" gels. Fits directly in back of compendium.  
**Item # LIFH9544.....324.95**



*Compendium Hood Technika 23/45 (001931) shown with Vignetting Mask Holder (001932)*

**Vignetting Mask Holder** (001932)  
For bellows hood. Fits directly in front of compendium.  
**Item # LIVM.....133.95**

**Filter Folding Frames (Set)** (002013)  
4x4" (10x10cm) frames [3]  
**Item # LIFFS44.....29.95**

#### Technika 45 Lensboards (96 x 99mm) for Master Technika 45, Technikardan 23 and Technikardan 45

**Flat Lensboard 45** (001013)  
With center pilot hole for one's own drilling.  
**Item # LILBBT45.....125.95**

**#0 Lensboard 45** (001143)  
**Item # LILB0T45.....125.95**

**#1 Lensboard 45** (001026)  
**Item # LILB1T45.....125.95**

**Compur/Prontor #1 Lensboard 45** (001107)  
Allows installation of aperture control unit on Technikardan.  
**Item # LILB1T45Q2.....139.50**

**Prontor #1 Lensboard 45** (001156)  
For use with shutter control (022766) on the Technikardan.  
**Item # LILBTK45.....125.95**

**Compur/Prontor #3 Lensboard 45** (001059)  
**Item # LILBT345Q.....125.95**

**Compur #3 Lensboard 45** (001119)  
**Item # LILB3T45.....139.50**

**Recessed Lensboard 45** (001153)  
For lens in Barrel mount.  
**Item # LILBRBT45.....132.50**



### FRONT ACCESSORIES, *continued*

#### Technika 45 Lensboards (96 x 99mm) for Master Technika 45, Technikardan 23/45

All Compur and Copal lensboards come with a Cable Release Socket.

Compur #0 Flat Lensboard 45 (001017) <i>Item # LILB0T45Q2.....189.95</i>	Copal #1 Flat Lensboard 45 (001121) <i>Item # LILB1T45Q4.....189.95</i>
Copal #0 Flat Lensboard 45 (001120) <i>Item # LILB0T45CQ1....189.95</i>	Compur #0 Recessed Lensboard 45 (001094) For 47mm wide angle lenses. <i>Item # LILBR0T45Q1....286.95</i>
Compur #1 Flat Lensboard 45 (001126) <i>Item # LILB1T45Q5.....189.95</i>	Compur #1 Recessed Lensboard 45 (001015) <i>Item # LILBR0T45.....273.50</i>
Compur #1 Flat Lensboard 45 (001128) Aperture control possible. <i>Item # LILB1T45Q3.....228.50</i>	Copal #0 Recessed Lensboard 45 (001016) <i>Item # LILBR0T45Q2....309.50</i>

#### Kardan Lensboards (162 x 162mm) for Kardan E, GT, GTI, GTL, TL, TE

Blank Kardan Lensboard (001080) With center pilot hole for one's own drilling. <i>Item # LILBBPHK45....136.95</i>	Blank Recessed Kardan Lensboard (001089) With center pilot hole for one's own drilling. <i>Item # LILBRBK45.....152.95</i>
#0 Kardan Lensboard (001080-0) <i>Item # LILB0K45.....136.95</i>	#0 Recessed Kardan Lensboard (001089-0) <i>Item # LILBR0K45.....167.95</i>
#1 Kardan Lensboard (001080-1) <i>Item # LILB1K45.....136.95</i>	#1 Recessed Kardan Lensboard (001089-1) <i>Item # LILBR1K45.....167.95</i>
#3 Kardan Lensboard (001080-3) <i>Item # LILB3K45.....136.95</i>	

#### Kardan Adapter Boards

Flat Kardan Lensboard Adapter 23 (001088) Permits lenses mounted on Technika 23 (74x81mm) lens- board to be used on Kardan camera. <i>Item # LILBAT23K.....274.50</i>	Flat Kardan Lensboard Adapter 45 (001087) Permits lenses mounted on Technika 45 (96x99mm) lens- board to be used on Kardan cameras. <i>Item # LILBAT45K.....234.95</i>
Recessed Kardan Lensboard Adapter 23 (001092) Recessed adapter board. Same as above. <i>Item # LILBART23K....312.95</i>	Recessed Kardan Lensboard Adapter 45 (001093) Recessed adapter board. Same as above. <i>Item # LILBART45K....312.95</i>

#### Technikardan Lenses

While lenses in all shutters on Technika 45 lensboards can be attached to both Technikardan models, the use of the specially designed TK lenses is particularly recommended for rapid and convenient operation. All Linhof TK lenses, from 58 to 210mm, are supplied in Prontor Professional 01/1 shutters as complete units, mounted on flat Technika 45 lensboards with integrated shutter control module. In addition to the TK lenses listed below, all other lenses that fit in a Prontor Professional 01/1 shutter can be supplied, on special order, with the TK Control Unit, as well.

TK Super Angulon 47mm f/5.6 Copal 0 (000806) Only for Technikardan 23. <i>Item # LI4756SATK ....1,882.95</i>	TK APO-Symmar 135mm f/5.6 Prontor 01 (000798) <i>Item # LI13556ASTK..2,656.50</i>
TK Super Angulon 58mm f/5.6 Prontor 01 (000871) <i>Item # LI5856SATK ....3,327.95</i>	TK APO-Symmar 150mm f/5.6 Prontor 01 (000822) <i>Item # LI15056ASTK..2,549.95</i>

TK Super Angulon  
65mm f/5.6 Prontor 01 (000794)  
*Item # LI6556SATK ....3,624.95*

TK Super Angulon  
90mm f/5.6 Prontor 01 (000797)  
Only for Technikardan 45.  
*Item # LI9056SATK ....4,259.95*

TK APO-Symmar  
100mm f/5.6 Prontor 01 (000795)  
Only for Technikardan 23.  
*Item # LI10056ASTK..2,503.50*

TK APO-  
Symmar  
150mm  
f/5.6  
Prontor 01  
(000822)



TK APO-Symmar  
180mm f/5.6 Prontor 1 (000796)  
*Item # LI18056ASTK..2,799.95*

TK APO-Symmar  
210mm f/5.6 Prontor 1 (000799)  
*Item # LI21056ASTK..3,379.95*

#### Macro Tubes and Lenses

Macro tubes are used for photographing images larger than life-size. They are supplied with a shutter, mounted onto a lensboard. Together with M-Componon lenses, a macro reproduction ratio of 2:1 to 14:1 can be achieved.

Macro Tube 23 (002692)  
For Super Technika 23.  
With central shutter on  
lensboard.  
*Item # LIMTST23.....939.95*

Macro Tube 45 (002693)  
For Master Technika 45 and  
Technikardan 23/45. With cen-  
tral shutter on lensboard.  
*Item # LIMTT45.....951.95*

80mm f/4 M-Componon Macro Lens (020329)  
In barrel mount. Reproduction ratio 2:1 to 4.5:1.  
*Item # LI8056MC.....784.95*

28mm f/4 M-Componon  
Macro Lens (020327)  
In barrel mount. Reproduction  
ratio 6:1 to 14:1.  
*Item # LI284MC.....716.50*

50mm f/4 M-Componon  
Macro Lens (020328)  
In barrel mount. Reproduction  
ratio 3:1 to 8:1.  
*Item # LI504MC.....674.95*



### FRONT ACCESSORIES, *continued*

#### Micro Tubes

Micro tubes are used to photograph images through a microscope. The basic equipment is the same as in macro photography. However, no lens is used on the camera. Instead, the camera is connected to the optical system of the microscope by means of a lensboard-mounted tube with shutter and a light-trap which fits the ocular. Focusing is facilitated by using a groundglass with clear, center spot and cross hairs.

**Micro Tube 23** (002694)  
For Super Technika 23.  
With central shutter on  
lensboard.

**Item # LIMTST23Q .....789.50**

**Micro Tube 45** (002695)

For MasterTechnika 45 and  
Technikardan 23/45, with  
central shutter on lensboard.

**Item # LIMTT45Q .....793.95**

#### Lens Hood/Filter Holder

A dual-purpose accessory, the Lens Hood serves not only as a sunshade, but also as a filter holder. The lens filter holder accepts all Linhof slip-in type filters with a 70mm diameter, and all circular glass filters (with-out mount) with an outer diameter of 76mm and maximum thickness of 7mm. Polarizer filters can also be used and rotated 120°. It remains firmly attached to the lens mount with a locking clamp. The lens hood fits all lens mounts with 70mm outer diameter, as well as lenses of 60, 51 and 42mm diameter, by means of reducing rings.

**Lens Hood/Filter Holder 70/60**  
(001914)

For lenses with a 70mm or  
60mm outer diameter. Includes  
reducing ring 70-60 (001916).

**Item # LILH70 .....333.95**

**Reducing Ring 70-51** (001915)

Adapter for lenses with an  
outer diameter of 51mm.

**Item # LIRR7051 .....79.95**

**Reducing Ring 70-42** (001922)

Adapter for lenses with an  
outer diameter of 42mm.

**Item # LIRR7042 .....79.95**

**Reducing Ring 70-60** (001916)

Adapter for lenses with an  
outer diameter of 60mm.  
Replacement for lens hood/fil-  
ter holder.

**Item # LIRR7060 .....79.95**

**70mm Filter Holder (Empty)** (002083)

Replacement for lens hood/filter holder.

**Item # LIFH70 .....69.50**

#### Lens Hoods

**Heliopan 49mm Lens Hood** (701049)

**Item # HELH49 .....23.50**

**Heliopan 67mm Lens Hood** (701067)

**Item # HELH67 .....37.95**

**77mm Lens Hood** (021910)

**Item # LILH77 .....59.95**

**82mm Lens Hood** (021911)

**Item # LILH82 .....69.95**

**86mm Lens Hood** (021912)

**Item # LILH86 .....74.50**

**95mm Lens Hood** (021913)

**Item # LILH95 .....107.95**

**105mm Lens Hood** (021914)

**Item # LILH105 .....144.95**

#### 70mm Drop-In Filters (for Lens Hood/Filter Holder)

ITEM #	MFG#	DESCRIPTION	PRICE
LIK1.570	002032	R1.5 SKY	187.95
LIK370	002033	R3 (81C)	187.95
LIK670	002034	R6 (81EF)	187.95
LIK1270	002035	R12 (85)	187.95
LIK1570	002036	B1.5 (82A)	187.95
LIK370	002037	B3 (82C)	187.95
LIK670	002038	B6 (80C)	187.95
LIK1270	002039	B12 (80B)	187.95
LIP70	002080	LINEAR POLARIZER	468.95
LISF070	002087	SOFTFOCUS 0	209.95
LISF170	002088	SOFT FOCUS 1	209.95
LIY170	002060	YELLOW 1	187.95
LIY270	002061	YELLOW 2	187.95
LIY370	002062	YELLOW 3	187.95
LIG170	002063	GREEN 1	187.95
LIG270	002064	GREEN 2	187.95
LIO70	002065	ORANGE	187.95
LIR170	002066	RED 1	187.95
LIR270	002098	RED 2	187.95
LIBL70	002067	BLUE	187.95
LIUV70	002068	UV CLEAR	187.95
LII70	002049	INFRARED	254.95

#### 95mm Filters (Screw-In)

ITEM#	MFG#	DESCRIPTION	PRICE
LIK1.595	022185	R1.5 SKY	234.95
LIY95	022235	YELLOW 1	227.50
LIY295	022236	YELLOW 2	227.50
LIY395	022237	YELLOW 3	234.95
LIG195	022238	GREEN 1	227.50
LIG295	022239	GREEN 2	227.50
LIO95	022240	ORANGE	227.50
LIR195	022241	RED 1	227.50
LIR295	022242	RED 2	227.50
LIBL95	022243	BLUE	227.50
LIUV95	022244	UV CLEAR	227.50
LIP95	022259	LINEAR POLARIZER	549.95



# L I N H O F

## S Y S T E M

VIEW CAMERAS

197



### FRONT ACCESSORIES, *continued*

105mm Filters (Screw-In)			
ITEM #	MFG #	DESCRIPTION	PRICE
LIR1.5AT	022193	R1.5 SKY	309.50
LIY1105	022246	YELLOW 1	299.50
LIY2105	022247	YELLOW 2	299.50
LIY3105	022248	YELLOW 3	305.95
LIG1105	022249	GREEN 1	299.50
LIGR2105	022250	GREEN 2	299.50
LIO105	022251	ORANGE	299.50
LIR1105	022252	RED 1	299.50
LIR2105	022253	RED 2	299.50
LIBL105	022254	BLUE	299.50
LIUV105	022255	UV CLEAR	299.50
LIP105	022260	LINEAR POLARIZER	603.95
LII105	022245	INFRARED	356.50

Miscellaneous Filters (Screw-In)			
ITEM #	MFG #	DESCRIPTION	PRICE
LIP77	022256	77mm Linear Polarizer	421.95
LIP82	022257	82mm	428.50
LIP86	022258	86mm	453.50



### CASES

**Aluminum Case Super Technika 23** (022458)  
Adjustable partitions. Holds the Technika 23 and its basic accessories. 17 x 8 x 14" (44 x 21 x 35cm).  
**Item # LICAST23.....986.95**

**Aluminum Case Master Technika 45** (022457)  
Tropical proof, dust and humidity protected, with adjustable partitions. Case holds camera with lens, plus additional 2-3 lenses, multifocus optical finder, 6 double cut film holders and Super Rollex back. Dimensions are 17x8x14" (44x21x35cm).  
**Item # LICAMT45.....986.95**

**Aluminum Case Technikardan 23** (022474)  
Fitted. Holds TK 23 with lenses and basic accessories. 16.5 x 13 x 5.5" (42 x 33 x 14cm).  
**Item # LICATK23.....607.50**

**Aluminum Case Technikardan 45** (022481)  
Fitted compartment case for TK 45 with lenses and basic accessories. 16.5 x 13 x 5.5" (42 x 33 x 14cm).  
**Item # LICATK45.....602.95**

**Aluminum Case E/GT 45** (022475)  
Custom fitted. Holds camera in shooting position, plus a basic set of lenses and accessories. 19 x 14 x 11" (48 x 35 x 27cm).  
**Item # LICAK45GT.....764.95**



### CABLE RELEASES AND MISC. ACCESSORIES

**10" (250mm) C.R.** (002432)  
With T-Lock.  
**Item # LICR10.....27.50**

**13-1/2" (340mm) C.R.** (002429)  
T-Lock and turning nipple.  
**Item # LIHDCR135.....29.95**

**17" (430mm) C.R.** (002430)  
T-Lock and turning nipple.  
**Item # LIHDCR17.....34.95**

**17" (430mm) C.R.** (002433)  
T-lock and turning nipple. (Metal Covered)  
**Item # LICR17.....42.95**

**20" (500mm) C.R.** (002435)  
(Black) with T-Lock.  
**Item # LICR20.....42.95**

**21" (533mm) C.R.** (002431)  
T-lock and turning nipple.  
**Item # LICR21Q.....35.95**

**21" (533mm) Heavy-Duty C.R.** (002427)  
**Item # LICR21.....32.50**

**21" (553mm) C.R.** (002440)  
T-Lock with unthreaded nipple.  
**Item # LICRQL21.....42.95**

**30" (750mm) C.R.** (002434)  
T-Lock and turning nipple.  
**Item # LICR30.....52.95**



*Linhof Spirit Level (002599)*

**Linhof Spirit Level** (002599)  
Glass clear plastic body with dual level for horizontal and vertical levelling.  
**Item # LISL.....55.95**

**Prontor Professional Timer** (022502)  
Mechanical timer with built-in 500mm/24" cable release for long time exposures. Adjustable from 2 to 32 seconds. For macro work.  
**Item # LIST.....638.95**

**Linhof Prof Calculator** (002744)  
For numerous special photographic calculations, such as depth-of-field, lens tilt, etc.  
**Item # LICP.....518.50**

**Linhof Universal Depth-of-Field Chart** (025009)  
For establishing extension differences, checking the reproduction ratio, reading of working aperture, etc.  
**Item # LIUDFC.....9.95**

**Aluminum Case GT 810** (022461)  
Holds camera and one lens in flat position. Dimensions are 30 x 20 x 5" (75 x 50 x 13cm).  
**Item # LICAK810GT.....796.50**

**Aluminum Case GTL 810 /GT 810** (022477)  
Holds GTL 810/GT810 with one lens in flat position. Space for a few additional accessories. 30 x 23 x 7" (77 x 59 x 17cm).  
**Item # LICAK810GTL...892.50**

**Aluminum Case GTI 45** (022484)  
Compact case for complete GTI 4x5" equipment, with Kardan Professional Compendium (001935) and 3 tele lenses.  
**Item # LICAK45GTI...1,256.50**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

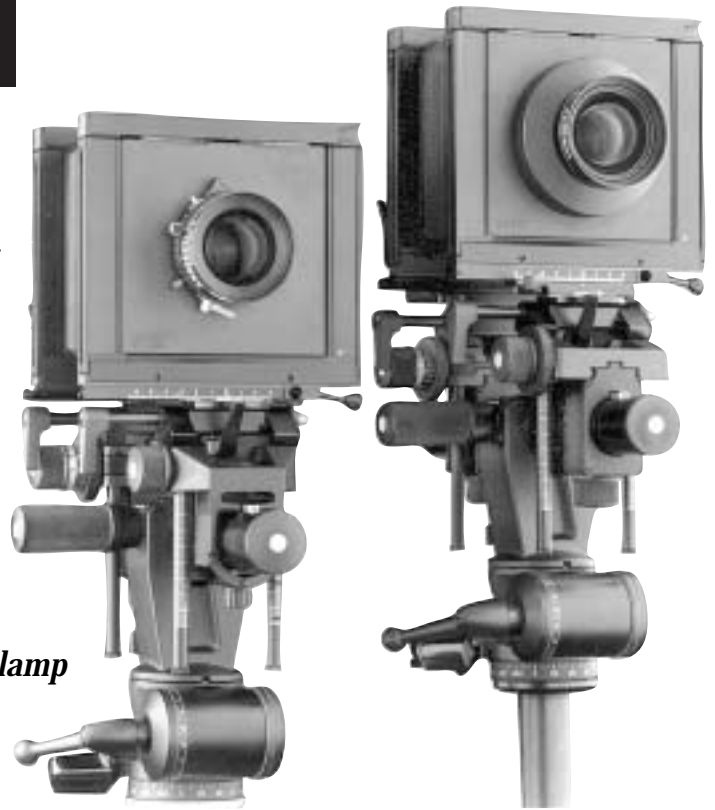
# SINAR

## f1 / f2 4x5 SYSTEM

*The next level in the Sinar family of cameras includes the f1 and f2. Long time favorites among students and beginning pros alike, these cameras combine portability with precision and ease of use.*

*The Sinar f1 4x5" camera features a rear standard with depth of field scale, p2 style knobs, and right hand operation. The front standard has an open clamp which makes it the ideal multi-purpose standard if the camera is upgraded to an f2 or p2 model.*

*The f2 4 x 5" camera features an enclosed rail clamp on the front standard for greater stability. The front standard also has fine focus capability. The f2 is equipped with a metering back to allow the use of film plane metering probes. The swing and shift locks are separate on the f2, and feature a positive locking mechanism for easier operation.*



*Sinar f1 (21-1005) and f2 (21-1007) 4x5 systems shown with optional lenses and lensboards*

### FEATURES

- Precision two-point focusing system
- Depth of field scale helps determine the optimum f-stop
- Fully upgradeable to larger formats
- Yaw-free movement
- Geared fine focus combined with coarse focusing on f1 and f2 rear standards. f2 has fine focusing on the front standard as well

**Sinar f1  
4 x 5 Camera** (SC. 491.16; SB. 21-1005)  
Consists of: Rail clamp (411.21),  
Base Rail 12" (422.21), 2-rail caps  
(429.21), Front standard f1/  
Multipurpose Standard (437.61)  
23-2210, Rear standard f1/f2  
(433.66) 23-2211, Film holder  
screen back (461.36) 23-2027,  
Universal bellows (454.11)  
**Item # SIF145.....1,850.00**

**Sinar f2 4 x 5  
Camera** (SC.491.96; SB. 21-1007)  
Consists of: Rail clamp  
(411.21), Base rail 12"  
(422.21), 2-rail caps (429.21),  
Front standard f2/c2 (431.61)  
23-2210, Rear standard f2  
(433.66) 23-2211, Metering  
back 4 x 5" (462.16),  
Universal bellows (454.11)  
**Item # SIF245 .....2,495.00**

### f1/f2 4x5 SPECIFICATIONS

#### TILTS:

Front: 140°; Rear: 140°

#### SWINGS:

Front: 100°; Rear: 100°

#### RISE AND FALL (COMBINED):

Front: 4.4 in. (112mm)

Rear: 4.4 in. (112mm)

#### LATERAL SHIFT:

Front: 3.4 in. (87mm)

Rear: 3.6 in. (92mm)

#### CAMERA BACK:

International  
Standard 4 x 5 in.

#### FOCUSING SCREEN:

4 x 5 Fresnel

#### INTERCHANGEABLE BELLOWS:

Yes

#### MINIMUM BELLOWS DRAW:

1.5 in. (3.8cm)  
with standard bellows

#### MAXIMUM EXTENSION:

19 in. (483cm)  
with standard bellows  
and optional extension rail

#### MONORAIL LENGTH:

12 in. (30.5cm)

#### YAW FREE:

Yes

#### LENSBOARD:

5<sup>11</sup>/<sub>16</sub> x 5<sup>11</sup>/<sub>16</sub>"  
(139 x 139mm)  
Sinar lensboard or  
Linhof lensboard adapter

#### WEIGHT:

f1: 7 lbs. (3.2 kg)

f2: 8 lbs. (3.6 kg)

*Subject to change without notice*

# SINAR

## f1 8x10 SYSTEM

*Similar to the 4x5 version, the affordable Sinar f1 8x10 combines portability and dependability into one modular package. As with all Sinar view cameras, the f1 8x10 can be upgraded to the more advanced models if you choose to do so at a later date. The Sinar f1 8x10 features an enclosed rail clamp on the front standard for greater stability. Both the front and rear standards have fine focus capability. The camera is also equipped with a spring-loaded rise and fall mechanism on the larger, rear standard for ease of movement. With Sinar's angle meter scale and patented two-point focusing system, both swings and tilts are calculated quickly and precisely. An added benefit of the Sinar f1 8x10, is the depth-of-field knob which eliminates guess-work and unnecessarily small apertures.*



*Sinar f1 8x10 (21-1002) shown with optional lens, lensboard, and aperture control*

### FEATURES

- Geared fine focus combined with coarse focusing
- Fully changeable to smaller formats
- Precision swiss construction
- Yaw free movements
- Precision two-point focusing system
- Free shipping on Sinar equipment in Continental USA
- Zero detentes on swing, tilt, rise and shift movements
- Spring-loaded rise and fall
- Depth-of-field scale helps determine the optimum f-stop
- Metering Back

Sinar f1 8x10 Camera (21-1002)  
Consists of: Rail Clamp 1 (411.21), Basic Rail 12" (422.21), 2 rail claps (429.21), Front standard special f1/f2 (431.62), Rear standard special f1/f2 8x10 (433.68), tapered bellows 8x10 (452.58), metering back 8x10. Item # SIF1810 .....3,795.00

### f1 8x10 SPECIFICATIONS

**TILTS:**  
Front: 135°; Rear: 135°

**SWINGS:**  
Front: 100°; Rear: 120°

**RISE AND FALL (COMBINED):**  
Front: 5 in. (127mm)  
Rear: 2.3 in. (58.5mm)

**LATERAL SHIFT:**  
Front: 4.4 in. (111mm)  
Rear: 7.7 in. 196.5mm)

**CAMERA BACK:**  
International  
Standard 8 x 10"

**FOCUSING SCREEN:**  
Groundglass screen 8 x 10

**INTERCHANGEABLE BELLOWS:**  
Yes

**MINIMUM BELLOWS DRAW:**  
2 in (5cm) with standard bellows

**MAXIMUM EXTENSION:**  
26 in. (66cm)  
with standard bellows

**MONORAIL LENGTH:**  
12 in. (30.5cm)

**YAW FREE BASE TILT:**  
Yes

**LENSBOARD:**  
5<sup>11</sup>/<sub>16</sub> x 5<sup>7</sup>/<sub>16</sub>"  
(139mm x 139mm)  
Sinar lensboard or  
Linhof lensboard adapter

**WEIGHT**  
16.75 lbs (7.6 kg)

*Subject to change without notice*

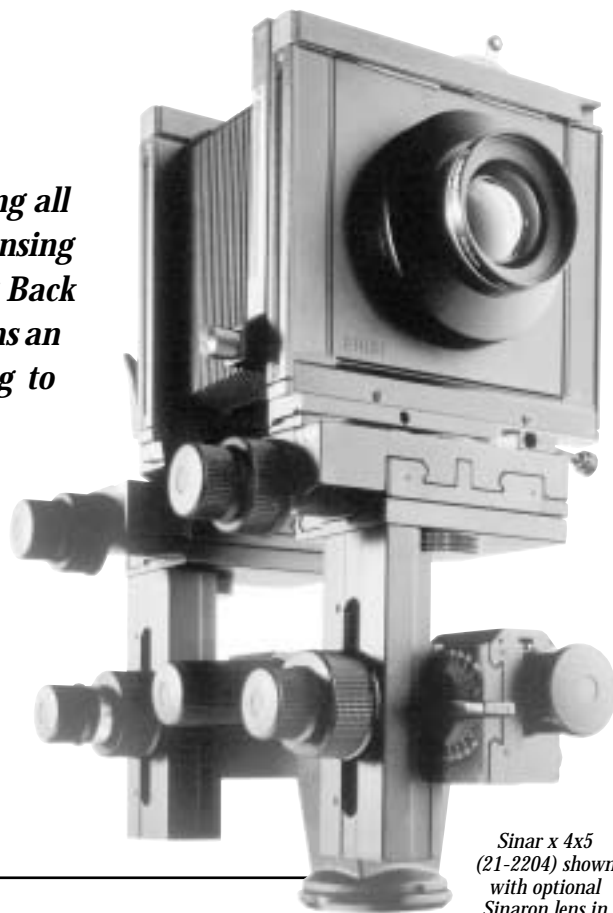
# SINAR

## x 4 x 5 SYSTEM

VIEW CAMERAS

200

*The x is a cost-efficient alternative to the p2, performing all the functions with equal perfection but deliberately dispensing with some of the operating amenities, The TTL Metering Back for instance, is not included in the basic outfit, but it remains an option that can be added later. The feature of adapting to formats larger than 4x5 was also intentionally foregone on the Sinar x camera, thus contributing greatly to the cost reduction, as did the elimination of a digital adapter connection for a digital back with a CCD array (nevertheless, the x can be used with a digital scan-back). The Sinar x still remains the most integral and unique features of a Sinar, such as the asymmetrical swing/tilt capabilities, among others, making it an outstanding value. The Sinar x provides the photographer with the best features of a top of the line monorail camera at a reasonable price.*



*Sinar x 4x5 (21-2204) shown with optional Sinaron lens in DB lensboard*

### FEATURES

- Yaw free base tilt movements
- Accepts Sinar Accessories
- Depth-of field calculator indicates correct aperture settings
- Free shipping on Sinar equipment in the Continental USA
- Precision Swiss Construction
- Sinar's two point Focusing System helps you determine the correct degree of swings and tilts needed
- A perfect next step for owners of Sinar f1 or f2 cameras

### Sinar x 4 x 5 Camera

(SC. 491.66; SB.21-2204)

Consists of:

Basic rail clamp 1 (411.21), Caps (429.21) Front Standard x (431.71), Rear Standard x 4x5" (433.76), Multipurpose Bellows 4x5" (454.11), Holder/Focusing Back 4x5 (461.36), Lensboard Holder (531.41).

Item # SIX45 .....4,195.00

### x 4x5 SPECIFICATIONS

#### TILTS:

Front: 130°; Rear: 130°

#### SWINGS:

Front: 120°; Rear: 120°

#### RISE AND FALL (COMBINED):

Front: 3.15 in. (80mm);  
Rear: 3.15 in. (80mm)

#### LATERAL SHIFT:

Front: 3.1 in. (91mm);  
Rear: 3.1 in. (91mm)

#### CAMERA BACK:

International  
Standard 4 x 5 in.

#### FOCUSING SCREEN:

4 x 5 groundglass screen

#### INTERCHANGEABLE BELLOWS:

Yes

#### MINIMUM

#### BELLOWS DRAW:

1.5 in. (381cm)  
with standard bellows

#### MAXIMUM EXTENSION:

18 in. (45.7 cm)  
with standard bellows  
and optional extension rail

#### MONORAIL LENGTH:

12 in. (30.5cm)

#### YAW FREE:

Yes

#### LENSBOARD:

5 $\frac{1}{16}$  x 5 $\frac{1}{16}$ "  
(139mm x 139mm)  
Sinar lensboard or  
Linhof lensboard adapter

#### WEIGHT:

13 lbs. (5.9kg)

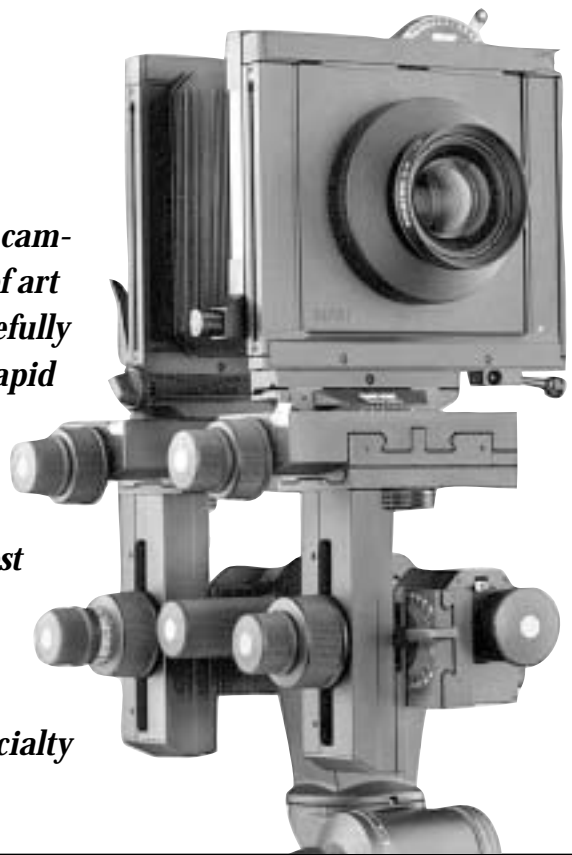
*Subject to change without notice*



# SINAR

## p2 4 x 5 SYSTEM

*The Sinar p2 is Sinar's top-of-the-line conventional view camera. Not only is it a pleasure to operate, but it is also a work of art in it's own right. Each tilt and swing movement is on a carefully chosen asymmetrical axis. This ingenious design permits rapid and reliable alignment of each plane of the camera with exact precision and minimal readjustments. Scales on the front and rear standards indicate every setting. Shifts are achieved to the nearest 0.5mm, swings and tilts to the nearest 1/2° degree. In addition, each movement is micrometer-driven, another reason why Sinar is the view camera that most serious photographers aspire to own. Plus, with the p2, you have access to the largest line of accessories and specialty items available from any manufacturer.*



VIEW CAMERAS

201

### FEATURES

- Adaptable to electronic imaging
- Top of the line precision 4 x 5 view camera
- Self-braking micrometer driven focusing
- Fully upgradeable to larger formats
- Yaw free base tilt movements
- Extremely smooth operation of movements
- Precision "Two point focusing system" helps determine the number degree of swings and tilts needed
- Depth-of-field calculator indicates correct aperture settings
- Free shipping on all Sinar equipment in Continental USA
- Accepts all Sinar accessories

Sinar p2 4 x 5 Camera (21-2201)

shown with optional Sinaron lens in DB lensboard

Sinar p2  
4 x 5 Camera (SC. 491.76; SB. 21-2201)  
Consists of:  
Rail clamp (411.21), base rail 12" (422.21), 2-rail clamps (429.21), front standard p2(431.51) (SB 23-2204), rear standard bearer P2/C2 (433.51), coupling frame 4 x 5" (433.26), metering back 4 x 5" (462.16), universal bellows (454.11)  
Item # SIP245.....6,545.00

### p2 4x5 SPECIFICATIONS

**TILTS:**  
Front: 130°; Rear: 130°

**SWINGS:**  
Front: 120°; Rear: 120°

**RISE AND FALL (COMBINED):**  
Front: 3.1 in. (80mm);  
Rear: 3.1 in. (80mm)

**LATERAL SHIFT:**  
Front: 3.6 in. (91mm);  
Rear: 3.6 in. (91mm)

**CAMERA BACK:**  
International  
Standard 4 x 5 in.

**FOCUSING SCREEN:**  
4 x 5 groundglass screen

**INTERCHANGEABLE BELLOWS:**  
Yes

**MINIMUM BELLOWS DRAW:**  
1.5 in. (381cm)  
with standard bellows

**MAXIMUM EXTENSION:**  
18 in. (45.7 cm)  
with standard bellows  
and optional extension rail

**MONORAIL LENGTH:**  
12 in. (30.5cm)

**YAW-FREE BASE TILT:**  
Yes

**LENSBOARD:**  
5 7/16 x 5 7/16"  
(139mm x 139mm)  
Sinar lensboard or  
Linhof lensboard adapter

**WEIGHT:**  
13 lbs. (5.9kg)

*Subject to change without notice*



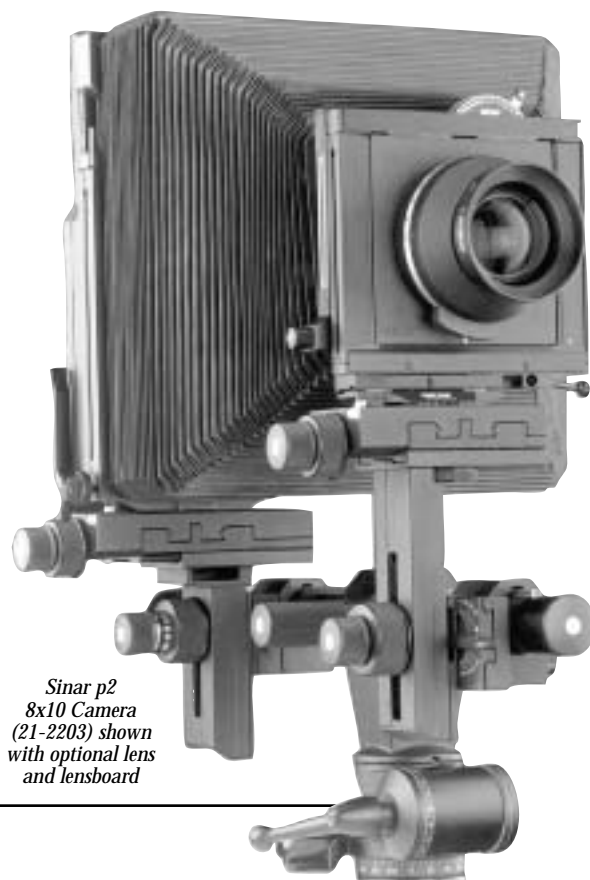
THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# SINAR

## p2 8x10 SYSTEM

*Most large format manufacturers, it seems at times, produce an 8x10 model - as an afterthought. However, few have come close to the style and functionality of the Sinar p2 8x10. As with the 4x5 version, the micrometer driven movements effortlessly control the camera planes, which becomes even more important when dealing with this larger film size. The asymmetrical tilts and swings allow the photographer to make his corrections easily, thanks to Sinar's two point focus system. As with the 4x5 version of the p2, the p2 8x10 is the heart of the Sinar system, giving the professional access to the entire line of items designed by Sinar's team of engineers and experienced photographers.*



Sinar p2  
8x10 Camera  
(21-2203) shown  
with optional lens  
and lensboard

### FEATURES

- **Top-of-the-line, precision 8x10 view camera**
- **Special 8x10 p2 front standard**
- **Special 8x10 rear standard**
- **Ultra smooth operation with self-breaking precision drives**
- **Yaw free movements**
- **Fully changeable to smaller formats**
- **Sinar's precision "Two point focusing system" helps you determine the degree of swings and tilts needed**
- **Depth-of-field calculator indicates aperture settings**
- **Free shipping on all Sinar equipment in Continental USA**
- **Accepts all Sinar accessories**
- **Self-braking micrometer driven focusing**

Sinar p2 8x10 Camera (SC. 000000; SB. 21-2203) Consists of:  
Rail clamp (411.21), base rail 12" (422.21), 2 rail caps (429.21), special p2 front standard (431.52) (23-2206), special p2 rear standard (433.52), carrier frame 8x10 (433.58), metering back 8x10 (462.58), tapered bellows 8x10 (452.58) and lensboard holder (531.41).  
**Item # SIP2810.....8,945.00**

### p2 8x10 SPECIFICATIONS

#### TILTS:

Front: 130°; Rear: 130°

#### SWINGS:

Front: 120°; Rear: 120°

#### RISE AND FALL (COMBINED):

Front: 31.5" (80mm);  
Rear: 31.5" (80mm)

#### LATERAL SHIFT:

Front: 3.6" (91mm);  
Rear: 3.6" (91mm)

#### CAMERA BACK:

International  
Standard 4 x 5"

#### FOCUSING SCREEN:

4 x 5 Groundglass Screen

#### INTERCHANGEABLE

BELLOWS:

Yes

#### MINIMUM

BELLOWS DRAW:

1.5" (381cm)  
with Standard Bellows

#### MAXIMUM EXTENSION:

18" (45.7 cm)  
with Standard Bellows  
and optional Extension Rail

#### MONORAIL LENGTH:

12" (30.5cm)

#### YAW-FREE:

Yes

#### LENSBOARD:

5 $\frac{1}{16}$  x 5 $\frac{1}{16}$ "  
(139mm x 139mm)  
Sinar Lensboard or  
Linhof Lensboard Adapter

#### WEIGHT:

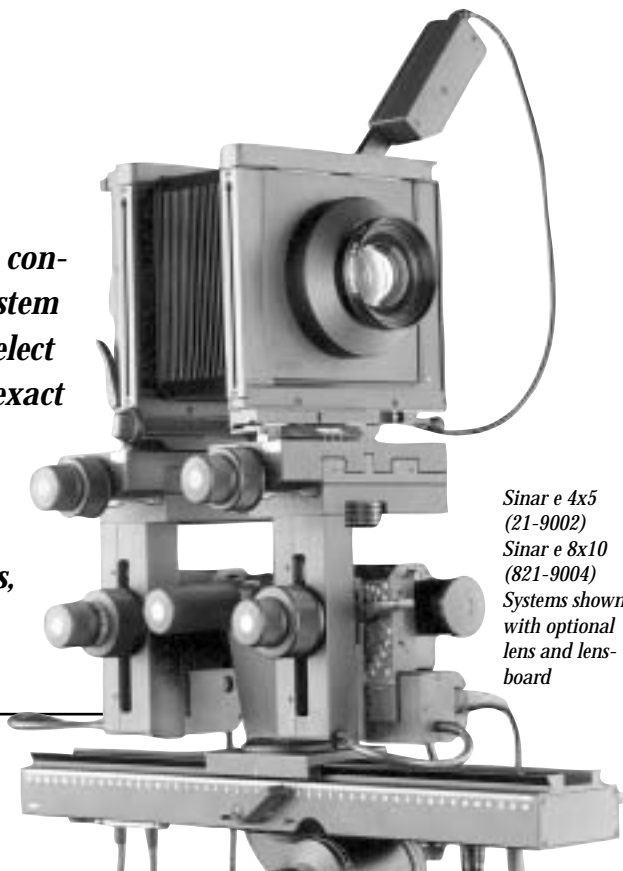
13 lbs. (5.9kg)

*Subject to change without notice*

# SINAR

## e (Cap-Cam) 4x5/8x10 SYSTEM

*This computer aided, user-friendly camera allows you to concentrate on the creative aspects of photography, while the system handles the technical details. By using a wand to point to select areas of the image, the computer display will give you the exact settings for swing, tilt, focus point, and exposure information. When not using the computing system, the camera is operated like a standard Sinar p2. However, the Sinar e standards have extensive (and patented) internal features, such as sensors, to keep constant track of all camera movements and ultrasonic sensing of the bellows draw.*



Sinar e 4x5  
(21-9002)  
Sinar e 8x10  
(821-9004)  
Systems shown  
with optional  
lens and lens-  
board

VIEW CAMERAS

203

### FEATURES

- Computer aided photography eliminates the possibility of errors
- Best 3-dimensional sharpness distribution
- Shoot at wider f/stops. Requires less flash power, and optimizes lens performance
- Highest image quality-tolerance of  $\pm .03\text{mm}$  when used with the Precision sheet film holder
- Full control of the Expolux electronic shutter
- Ultrasonic sensors automatically track camera configuration
- Change perspective by setting new angle on image standard and display instantly tells you what adjustments are needed on the front standard
- Compatible with all of the Sinar system

#### Sinar e 4x5 Camera (SC. 490.16; SB. 21-9002)

Consists of \*Rail Clamp e (411.51), \*Release Cable e (418.21.035), \*Sinar software e2 (418.21.096), \*Base Plate e2 (418.52), \*Operating Unit e2 (418.51.010), \*Basic 12" rail (422.21), \*2 rail caps (429.21), Front Standard e (431.11), Bearer e (433.11), Carrier Frame 4x5 (433.26), Multi-purpose Bellows 4x5 (454.11), Metering Back e 4x5 (462.36), \*Y-synchro cable (521.51.010), \*Lensboard Holder (531.41) and \*Modem cable RS-232, DOS (718.21.130).

Item # SIE45 .....33,066.50

#### Sinar e 8 x 10 Camera (SC. 490.18; SB. 21-9004)

Consists of all \* items from above, plus special Front Standard e 8x10 (431.12), Special Bearer e (433.12), Carrier frame 8x10 (433.58), Tapered Bellows 8x10 (452.58), Metering Back e 8x10 (462.38). Special Bearers meet the special requirements of 8x10" camera.

Item # SIE810 .....38,025.95

### e 4x5/8x10 SPECIFICATIONS

#### TILTS:

4x5 - Front: 94°; Rear: 94°;  
8x10 - Front: 94°; Rear: 94°

#### SWINGS:

4x5 - Front: 100°; Rear: 100°;  
8x10 - Front: 100°; Rear: 100°

#### RISE AND FALL (COMBINED):

4x5 - Front: 3.1" (80mm);  
Rear: 3.1" (80mm))  
8x10 - Front: 3.1" (80mm);  
Rear: 1.96" (50mm)

#### LATERAL SHIFT:

4x5 - Front: 3.1" (80mm);  
Rear: 3.1" (80mm)  
8x10 - Front: 3.1" (80mm);  
Rear: 3.5" (90mm)

#### CAMERA BACK:

4x5 - International  
Standard 4x5"  
8x10 - International  
Standard 8x10"

#### FOCUSING SCREEN:

4x5 or 8x10 Groundglass Screen

#### INTERCHANGEABLE BELLOWS:

Yes

#### MINIMUM BELLOWS DRAW:

4x5: 40mm; 8x10: 50mm

#### MAXIMUM EXTENSION:

4x5: 450mm; 8x10: 710mm

#### MONORAIL LENGTH:

12" plus special Sinar Base Plate e2

#### YAW-FREE BASE TILT:

Yes

#### LENSBOARD:

5 $\frac{1}{8}$  x 5 $\frac{1}{8}$ " (139mm x 139mm)  
Sinar Lensboard or  
Linhof Lensboard Adapter

#### WEIGHT:

4x5: 16.5 lbs. (7.5kg);  
8x10: 19.4 lbs. (8.8kg)

Subject to change without notice

Sinar does not supply the computer. The Base Plate e2 available from Sinar accommodates the desktop or notebook version of any IBM compatible PC. The minimum requirement is a 386 processor with 1MB RAM.



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



### CAMERA OUTFITS

#### Image Kits

The Image Kit can easily be used for studio, architecture or even landscape photography, all in one easily transportable case. The Image Kit comes in a very handy briefcase-styled case, which fits in most airline overhead bins. Besides the camera and Image Kit accessories, the Image Case has room enough to store a Polaroid 545 holder, an extra 6" extension rail and 6 film holders.

#### Image Kits consist of:

- |   |                                     |
|---|-------------------------------------|
| ■ 1-f1 or f2 camera                     | ■ 2 Bellows Holder                  |
| ■ 150 or 210 mm Sinaron f5.6 Copal lens | ■ 4x5 Fresnel                       |
| ■ 6" Extension Rail                     | ■ Filter Rod                        |
| ■ 4x5 Wide Angle Bellows                | ■ Reducing Bushing (built in to a1) |
|   | ■ f1/f2 Image Case                  |

**F1 150mm Image Kit (21-5008)**  
*Item # SIF145150IK ..3,465.00*

**F2 150mm Image Kit (21-5009)**  
*Item # SIF245150IK ..4,051.00*

**F1 210mm Image Kit (21-5012)**  
*Item # SIF145210IK ..3,795.00*

**F2 210 mm Image Kit (21-5013)**  
*Item # SIF245210IK ..4,405.00*



#### Pro Kits

The Pro Kit offers the professional a complete ready-to-go system in one small case. Even if it is an additional camera for an already busy studio, this outfit offers virtually everything you need.



#### 4x5 p2 Pro Kit (21-5003)

##### Consists of:

- Sinar P-2 4x5 camera
  - Sinaron-w 90mm f/6.8 DB mounted
  - Sinaron-s 210mm f5.6 DB mounted
  - 6" extension rail
  - Auto aperture shutter
  - 4x5 wide angle bellows
  - 4x5 fresnel
  - Reducing bushing
  - 4x5 camera case
- Item # SIP245PK ...12,119.95*

#### 8x10 p2 Pro Kit (21-5005)

##### Consists of:

- Sinar P-2 8x10 camera
  - Sinaron-n 300mm f5.6 DB mounted
  - 18" Extension rail
  - Auto Aperture Shutter
  - 8x10 Wide Angle Bellows
  - 8x10 Fresnel Lens
  - Reducing Bushing
  - 8x10 Expert case
- Item # SIP2810PK...15,427.95*

#### 4x5 x Pro Kit (21-5002)

##### Consists of:

The same items as the 4x5 p2 Pro Kit, with the Sinar x 4x5 camera instead of the p2.

*Item # SIX245PK.....9,916.50*



# SINAR

## SYSTEM



### CAMERA OUTFITS

#### Expert Kits

The Expert Kit features a large array of Sinar accessories to complement the p2 camera. The kit is set up for the studio photographer who wants the very best in equipment at his fingertips. Even if you have to go on the road, this case is ready when you are. Four removable casters allow you to roll the case easily through airports or on location, and is durable enough to be checked as airline baggage.

#### p2 4x5 Expert Kit (21-6201)

Consists of:

- p2 4x5 camera
- 6" extension rail
- 18" extension rail
- Multipurpose standard 1
- 4x5 square bellows
- 4x5 wide angle bellows
- 2 bellows holders
- Bellows hood mask II
- 4x5 fresnel
- Filter holder rod set of 3
- Binocular magnifier board
- Lighthood with lightdrop
- Expert case (less lens & lensboard)

Item # SIP245EK.....9,916.50

#### p2 8x10 Expert Kit (21-6203)

Consists of:

- p2 8x10 camera
- 6" extension rail
- 18" extension rail
- 1 Multipurpose standard
- 4x5 square bellow (used for Bellows hood or binocular magnifier)
- 8x10 wide angle bellows
- 2 bellows holders
- Bellow hood mask II
- 8x10 fresnel
- Filter holder rod (set of 3)
- Binocular magnifier board
- Lighthood with lightdrop
- Expert case (less lens & lensboard)

Item # SIP2810EK.....13,147.00



#### x 4x5 Expert Kit (21-6202)

Consists of the same as the p2 4x5 Expert Kit, with a Sinar x camera instead of a p2.

Item # SIX245EK.....7,709.95



### ELECTRONIC IMAGING

One of the most promising uses for digital camera backs is for high volume catalog and advertising photography. This type of work, which involves shooting the maximum number of products in the minimum amount of time, can easily generate the volume needed to make digital photography profitable. On film, the vast majority of this type of work is done with view cameras. Natural perspective and the ability to control sharpness are vital to product photography. Doing the same work with direct digital capture does not change any of these requirements. The finished product still needs the perspective control that only view cameras can provide, and controlling focus to get the maximum sharpness at optimum apertures is just as important as ever. Even in this new medium, most of the reasons for using view cameras still apply.

The Sinar x/d, while the most affordable of Sinar's view camera solutions for area CCD's, still has capabilities unmatched by any other digital view camera. For example, digital backs require precision adjustment of camera movements. Everything is proportionally smaller, including the margin of error. The x/d's self-arresting, gear-driven movements never have to be locked or unlocked - just set your movements and they will stay where you put them.

Every area CCD back requires a shutter that can be triggered electronically. The Expolux is a reliable, vibration-free system which works perfectly in digital applications and is controllable in increments as small as 1/10 f/stop. For digital imaging applications, you can control the Expolux directly from your Macintosh, eliminating the need for the Expolux Monitor and greatly reducing the cost of the shutter package. The Expolux Tricolor Shutter for 3-Shot Backs eliminates the need for an external filter wheel for backs which shoot 3 exposures through red, green and blue filters. This leaves the front of the camera free to mount a compendium lens shade to help increase contrast and color saturation. Sinaron Digital Lenses are designed to give you the focal lengths, coverage and resolution required for digital imaging. Plus, they are mounted behind the front standard to give you maximum possible working distance between your standards.



### ELECTRONIC IMAGING

#### x/d View Cameras

Sinar x/d for Leaf (25-1005)  
Item # **SIXDL**.....**7,823.95**

Sinar x/d for the Kodak 465 (25-1006)  
Item # **SIXDK**.....**7,822.95**

Sinar c/d for Leaf (25-1007)  
An x/d with an f2 from standard to reduce cost and weight.  
Item # **SICDL**.....**6,604.50**

*Packages are subject to change to accommodate changes in the capture backs.*

#### x/d Digital Packages

The Sinar x/d digital package includes everything required to use your digital back on an x/d body.

Sinar x/d Digital Package for the Leaf DCB (25-1922)  
Includes Expolux Tricolor Shutter System, Leaf/Expolux release cable and viewfinder. Requires x/d body, lens and Leaf DCB.  
Item # **SIKXDL**.....**6,609.50**

Sinar x/d Digital Package for the Leaf Catchlight (25-1942)  
As above, with the standard Expolux shutter.  
Item # **SIKXDLCL**.....**5,379.95**



Sinar x/d body

Sinar x/d Digital Package for the Kodak DCS 465 (25-1935)  
Includes Expolux Shutter System, cabling and viewfinder. Requires x/d body, lens and Kodak DCS 465.  
Item # **SIKXDDCS465** **5,129.95**

Sinar x/d Digital Package for the Kodak DCS 465 3-Shot (25-1955)  
As above, with an Expolux Tricolor Shutter.  
Item # **SIKXD3SDCS** **..6,294.50**

#### p2 Digital Packages

In addition to all the advanced features of the Sinar x/d, the p2 digital system offers additional advantages. It easily converts from digital to chemical via the format change system. It offers zero detentes on all movements. It has a Rail Clamp 2 for additional stability. 8x10 standards are available for greater shift range. The following packages give you all the equipment required to mount an area CCD back to a Sinar p2.

p2 Digital Package for the Leaf DCB (25-1921)  
Consists of p2/Leaf adapter and viewfinder, Expolux Tricolor Shutter System and Leaf/Expolux release cable. Requires lens, p2 camera and Leaf DCB.  
Item # **SIKPP2L**.....**11,018.95**

p2 Digital Package for the Leaf Catchlight (25-1941)  
Same as the Leaf DCB package, but for the Leaf Catchlight.  
Item # **SIKPP2LCL**.....**10,249.95**

p2 Digital Package for the Kodak DCS 465 (25-1934)  
Consists of p2/Kodak adapter and viewfinder, Expolux Shutter System and cabling. Requires lens, p2 camera and Kodak DCS 465.  
Item # **SIKPP2DCS465**..**9,988.95**

p2 Digital Package for the Kodak DCS 465 3-Shot (25-1954)  
Same as above.  
Item # **SIKPP23SDCS**.....**11,018.95**

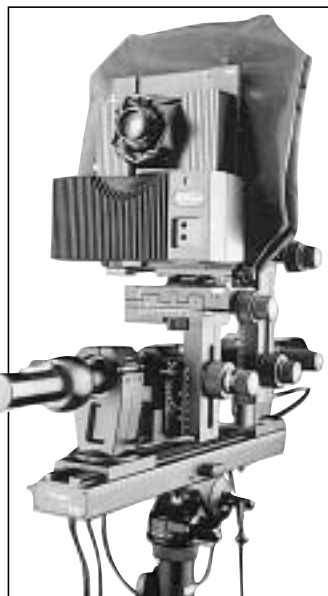


*For digital applications, Sinar has replaced the Epolux Monitor with a connection to your Mac, making the system faster, more convenient, and less expensive.*

#### e (CapCam) Digital Packages

e CapCam/Pixel 4x5 with Pixel Booster (21-9005)

The Pixel Booster adds a precision focusing aid to the conventional CapCam. A video CCD at the end of the metering probe feeds an image to an LCD monitor mounted on the rail. The Pixel Booster displays less than one square centimeter of your ground-glass magnified to fill the 4" monitor, letting you focus with a level of accuracy never before possible in large format photography. This package includes a complete 4x5 e Cam with the Pixel Booster system installed.  
Item # **SIEP45**.....**36,220.00**



E Leaf Package (25-1925)  
Item # **SIELK**.....**47,392.50**

Sinar CapCam 2 Digital Package for the Kodak DCS 465 (25-1936)  
Package includes CapCam/Kodak horizontal adapter, CapCam 2 view camera, Expolux Shutter and power supply, LCD monitor and arm and power cable adapter. Requires Sinaron digital lenses, Kodak 465 and notebook PC.  
Item # **SIC2K**.....**46,299.95**

Sinar CapCam Digital Package for the Kodak DCS 465 3-Shot (25-1937)  
As above, with an Expolux Tricolor Shutter.  
Item # **SIC23SK**.....**47,239.95**



### BODY ACCESSORIES

#### Front Standards

##### Front Standard f1/ Multipurpose Standard

(SC. 437.61; SB. 23-2210)  
Capable of parallel shifts, swings and tilt movements. By adding additional f1 front standard it can be used as a multipurpose standard for professional lens shade, bellows support for long extensions and holder for Sinar color control filter system and Sinar mirrors. (Replacement for f1 4x5.)  
**Item # SISFF1.....599.00**

##### Front Standard p2 4x5

(SC. 431.51; SB. 23-2204)  
With parallel shifts, swings and tilts. (Replacement for p2 4x5.)  
**Item # SISFP245.....3,527.50**

##### Front Standard f2/c2

(SC. 431.61; SB. 23-2212)  
Has geared fine focus and separate locks for horizontal shift and swing. Can be used as a multipurpose standard or intermediate bellows support by adding additional front standards. (Replacement for f2 4x5, c2 4x5, and f1 8x10.)  
**Item # SISFF245.....987.00**

##### Multipurpose Standard 5x7

(SC. 437.62; SB. 23-2200)  
Multipurpose standard for bellows hood with film sizes larger than 4x5. Can be used as an intermediate standard for bellows extension with 8x10.  
**Item # SISMP57.....1,334.95**

##### Special Front Standard p2 8x10

(SC. 431.52; SB. 23-2206)  
Longer rise and shift range for larger 8x10 format. With parallel shift, swing and tilts and with zero settings for 8x10 format. (Replacement for p2-8x10.)  
**Item # SISFP2810.....4,383.50**



Front  
Standard  
f1  
(23-2210)

#### Rear Carrier (Coupling) Frames

##### 4x5 Rear Carrier Frame

(SC. 433.26; SB. 23-2017)  
Used in conjunction with the c2/p2 rear standard (standard bearer) 23-2028 (433.51) to form a 4x5 rear standard. The coupling frame attaches both the bellows and the film holder to the standard. The 4x5 metering back is required to accept the groundglass and film holder.  
**Item # SICFR45.....484.95**

##### 5x7 Rear Carrier Frame

(SC. 433.27; SB. 23-2018)  
To interchange a p2 4x5 or 8x10 camera to a 5x7, used in conjunction with the c2/p2 rear standard (standard bearer) 23-2028 (433.51), or special standard bearer 23-2209 (433.52) to form a 5x7 rear standard. The coupling frame attaches both the 5x7 bellows and the film holder to the standard. The 5x7 metering back is required to accept the groundglass and film holder.  
**Item # SICFR57.....1,014.95**

Rear  
Carrier  
Frame  
4x5  
(23-2017)



##### 8x10 MB Rear Carrier Frame

(SC. 433.58; SB. 23-1919)  
To upgrade a p2 4x5 or 5x7 camera to an 8x10 camera. Must be used in conjunction with the c2/p2 rear standard (standard bearer) 23-2028 (433.51) or special standard bearer 23-2209 (433.52) to form an 8x10 rear standard. The coupling frame attaches the 8x10 bellows and film holder to the standard. The 8x10 metering back is required to accept the groundglass and film holder.  
**Item # SICFR810.....1,609.95**

#### Rear Standards

##### Rear Standard f1/f2 4x5

(SC. 433.66; SB. 23-2211)  
Comes with full parallel shifts, swings and tilts, angle scale dial and depth of field scale. Will accept film holder screen back (f/s back) or metering back. Replacement f1 4x5.  
**Item # SISRF145.....832.95**

##### Rear Standard f2 4x5

(SB. 23-2213)  
Same as above, with separate locks for horizontal shift and swing. Replacement f2 4x5.  
**Item # SISRF245.....1,184.95**



Rear  
Standard  
p2 8x10  
(23-2209)



Rear  
Standard  
p2 4x5  
(23-2208)

##### Rear Standard (Standard Bearer) p2/c2 4x5

(SC. 433.51; SB. 23-2208)  
Lower section of rear standard fully geared, self-arresting movements with parallel shifts, swings and tilts plus depth of field scale. Requires upper section coupling frame (433.26) 23-2017. Replacement c2 4x5 and p2 4x5.  
**Item # SISRP245.....2,948.50**

##### Cross Level (23-4017)

For 2 axis levelling. Attaches to any Sinar standards.  
**Item # SISL.....159.95**

##### Rear Standard f1/f2 8x10

(SC. 433.68; SB. 23-2201)  
With parallel shifts, swings and tilt, angle scale dial, as well as depth of field scale. (Replacement for f1 8x10.)  
**Item # SISRF1810.....2,744.50**

##### Rear Standard (Special Standard Bearer) p2 8x10

(SC. 433.52; SB. 23-2209)  
Same as rear standard P-2/C-2 4x5 with longer rise and shift range for larger formats also special T-shaped design for added stability. Requires upper section coupling frame (433.58) 23-1919. (Replacement for p2 8x10.)  
**Item # SISRP2810.....4,734.50**

##### Rear Standard f1/f2 5x7

(SC. 433.67; SB. 23-2215)  
With parallel shifts, swings and tilts, angle scale dial, as well as depth of field scale. To convert any f camera to 5x7 the following must be purchased 1. rear standard f2 5x7 2. bellows 5x7 3. metering back 5x7.  
**Item # SISRF257.....2,559.95**

# SINAR

## SYSTEM



### BODY ACCESSORIES, *continued*

#### Frames & Plate Holders

**4x5 Non Metering Back (F/S Back)** (SC. 461.36; SB. 23-2027)  
Standard film holder/screen back. Consists of 4x5 screen frame II 23-2024 (461.56), 4x5 holder frame 23-2023 (461.46) and 4x5 groundglass 23-4007 (536.66). Replacement F-1 4x5.  
**Item # SIB45.....608.95**

**4x5 Metering Back**  
(SC. 462.16; SB. 22-1022)  
Same as above. Allows easy installation of a metering probe for film plane spot reading. When used with a lightmeter holder, the meter and probe are always available. Consists of 4x5 screen frame II 23-2024 (461.56), 4x5 metering frame 23-2025 (462.96) and 4x5 groundglass 23-4007 (536.66.) (Replacement F2 and P2 4x5.)  
**Item # SIMB45.....892.00**

**4x5 Metering Back e**  
(SC. 462.36; SB. 23-1920)  
Replacement for the e 4x5.  
**Item # SIMBE45 .....8,791.95**

**4x5 Holder Frame (Non MB)**  
(SC. 461.46; SB. 23-2023)  
Replacement part for 4x5 non metering back.  
**Item # SIHF45.....218.95**

**4x5 Holder Frame II MB** (SB. 23-2024)  
Replacement part for 4x5 metering back.  
**Item # SISF245.....384.95**

**4x5 Metering Holder Frame**  
(SC. 462.96; SB. 23-2025)  
Non metering backs 4x5 can be upgraded to metering backs just by replacing the non MB frame with this one. Replacement part for 4x5 metering back.  
**Item # SIHFM45.....524.95**

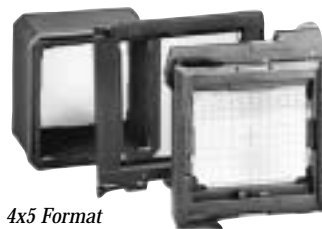
**5x7 Metering Back**  
(SC. 462.17; SB. 23-2115)  
Same as 23-1022 metering back 4x5, but for 5x7 format. Includes 5x7 groundglass 23-4010 (536.37)  
**Item # SIGHC57 .....1,554.95**

**8x10 Metering Back**  
(SC. 462.58; SB. 23-1916)  
Same as 4x5 Metering Back (23-1022) but for 8x10 format. Unique features include a fluid-dampened hydraulic system to cushion closing of the back. Includes 8x10 groundglass 23-4029 (536.58). Replacement on all current 8x10 cameras.  
**Item # SIMB810.....2,419.95**

#### Format Changing Sets

Converts c2 or p2 cameras into 4x5, 5x7 or 8x10 easily. Just remove the bellows from the front standard, loosen one screw, place the format changing kit in its place, re-tighten the screw, attach the bellows, and the camera is ready for the new desired format.

**4x5 Format Changing Set**  
(SC. 497.26; SB. 23-2003)  
Converts 5x7 or 8x10 p2/c2 into a 4x5 camera. Consists of standard bellows 4x5 23-3004 (454.11), metering back 4x5 22-1022 (462.16), rear carrier frame 4x5 23-2017 (433.26).  
**Item # SIFCS45 .....1,511.00**



4x5 Format Changing Set (23-2003)

**5x7 Format Changing Set**  
(SC. 497.27; SB. 23-1901)  
Converts 4x5 or 8x10 p2/c2 into a 5x7 camera. Consists of tapered bellows 5x7 23-3001 (452.17), metering back 5x7 23-2115 (462.17), rear carrier frame 5x7 23-2018 (433.27).  
**Item # SIFCSMB57...2,859.50**

**8x10 Format Changing Set**  
(SC. 497.58; SB. 23-1902)  
Converts 4x5 or 5x7 p2/c2 into an 8x10 camera. Consists of tapered bellows 8x10 23-3008 (452.58), metering back 8x10 23-1916 (462.58), rear carrier frame 8x10 23-1919 (433.58).  
**Item # SIFCSMB810.3,300.00**

#### Format Changing Set e

**4x5 Format Changing Set e**  
(SB. 23-1903)  
Converts 8x10 e camera to 4x5. Consists of metering back e 4x5 23-1920, rear carrier frame 4x5 23-2017 (433.26), square bellows 4x5 23-3004 (454.11)  
**Item # SIFCS45E.....6,808.50**

**8x10 Format Changing Set e**  
(SB. 23-1904)  
Converts 4x5 e camera to 8x10. Consists of metering back e 8x10 23-1922, rear carrier frame 8x10 23-1919 (433.58), tapered bellows 8x10 23-3008 (452.58)  
**Item # SIFCS810E ...10,444.95**

#### Bellows

The Sinar system features different bellows for every application. Virtually all of them can be employed as lens shades or groundglass viewing screens. The 4x5 square universal bellows is standard with all Sinar 4x5 cameras. This versatile bellows can also be used with Multipurpose standards (front standards) to increase camera extension for all formats. The 4x5 wide angle bellows is used with shorter lenses. This "Bag Bellows" lets you use full camera movements at short extensions.

To focus with lenses 65mm or shorter, you will need the Extra Wide Angle Bellows. Its thin-frame, double-bag design allows you to move the camera standards to within 1/4 inch of each other.

The 5x7 Tapered Bellows is standard on all 5x7 cameras and connects a 5x7 back to a 4x5 front standard. It can also be combined with multipurpose (front) Standard and an 8x10 to 5x7 Special Bellows for extra-

long extensions on an 8x10, without vignetting problems. The 5x7 wide angle bellows is used with shorter lenses to get full camera movements at short extensions.

The 8x10 Tapered Bellows is available in two versions: for current meterback (MB) cameras and for the older, non metering frames (Non-MB). The 8x10 wide angle bellows is used with shorter lenses to get full camera movement on focal lengths from 120-240mm.



*Bellows continued on next page*



# SINAR

## SYSTEM



### BODY ACCESSORIES, *continued*

#### SINAR BELLOWES

Size	Type	Product# Code	Sinar Ext.	Max. Lenses	Use with	Comments	Item #	Price
4x5	Square	23-3004	454.11	19" (45cm)	135mm and up	Standard or multipurpose bellow	SIBS45	<b>\$259.00</b>
4x5	Wide Angle	23-3007	455.36	—	75-135mm	Bag Bellows	SIBWA45	<b>\$259.00</b>
4x5	Extra Wide	23-3014	455.46	—	45-65mm	For 65mm and shorter lenses	SIBEWA45	<b>\$467.00</b>
5x7	Tapered	23-3001	452.17	25" (65cm)	165mm and up	5x7 to 4x5	SIBT57	<b>\$479.95</b>
5x7	Wide Angle	23-3005	455.27	—	90-165mm	5x7 to 4x5	SIBWA57	<b>\$434.95</b>
8x10	Tapered MB	23-3008	452.58	23" (58cm)		8x10MB to 4x5	SIBTMB810	<b>\$779.00</b>
8x10	Special	23-3010	453.358	50"		8x10MB to 5x7 intermediate	SIBS810	<b>\$1594.95</b>
8x10	Wide Angle	23-3011	455.58	—	120-240mm	8x10MB to 4x5	SIBWAMB810	<b>\$865.00</b>

#### Camera Supports

**Pan Tilt Head** (SC. 516.41; SB. 23-6010)  
Maintains right-hand operation of Sinar cameras. Compact stable design. Long lever handle easily tightens and loosens. The camera plate is keyed to Sinar rail clamps for quick camera attachment, and the 360° panoramic base is calibrated for precise positioning.  
**Item # SIPTH .....449.00**

**Rail Clamp** (SC. 411.21; SB. 23-1001)  
To mount Sinar f, c and p cameras on pan tilt head 23-6010 (516.41), or directly on a tripod.  
**Item # SIRC .....229.95**

**Rail Clamp 2** (SB. 23-1019)  
"Over the top" clamping mechanism provides greater stability.  
**Item # SIRC2 .....603.95**

**Rail Clamp 2e** (SB. 23-1002)  
For e camera only. Allows two rail clamps to be mounted between the standards.  
**Item # SIRC2E .....1,899.95**

**Vapo Variable Position Rail Clamp** (23-1020)  
Adjusts leveling to make precision adjustments. It rotates the camera around its rail with a self arresting adjustment wheel. Turning the wheel adjusts only slightly, while the wheel still spins easily enough to let you make larger adjustments. Once set properly, the Vapo locks in place with the turn of a lever.  
**Item # SIRC V .....1,096.95**

**Base Plate 2 Package** (SB. 23-1116)  
Adds extra support to camera with long extension. Consists of base plate 2 23-1016; quick release adapter 23-1018; 2 clamping adapters 23-1017. (Requires one additional rail clamp to the camera.)  
**Item # SIBP2K .....1096.95**

**Clamping Adapter Rail Clamp for Base Plate 2** (SB. 23-1017)  
One clamping adapter is required for each rail clamp.  
**Item # SICA .....234.95**

**Camera Support Platform** (SC519.21; SB 23-6008)  
For p2 standard.  
**Item # SICSP2 .....109.00**

**Universal Camera Holder** (SC519.11; SB 23-6009)  
For p2 standard.  
**Item # SICH .....109.00**

**Quick Release Adapter** (SB. 23-1018)  
Attaches Base Plate 2 to tripod, etc.  
**Item # SIQRA .....109.95**

#### Black Rail Units, Caps

**6" (15cm) Extension Rail** (SC. 421.21; SB. 23-1207)  
**Item # SIER6B .....159.00**

**6" (15cm) Extension Rail for a1** (SB.42-1030)  
**Item # SIER6A1 .....109.00**

**12" (30cm) Base Rail** (SC. 422.21; SB. 23-1208)  
Extension rails can be screwed onto either end. (Replacement.)  
**Item # SIBR12B .....188.95**

**12" (30cm) Extension Rail** (SC. 423.21; SB. 23-1209)  
**Item # SIER12B .....199.00**

**18" (45cm) Extension Rail** (SC. 424.21; SB. 23-1206)  
**Item # SIER18B .....315.00**

**36" (90cm) Base Rail** (SC. 452.21; SB. 23-1210)  
For extra rigidity in setups involving long bellows extensions.  
**Item # SIBR36B .....698.95**

**Rail Cap** (SC. 429.21; SB. 23-1204)  
Prevents unlocked standards from sliding off the rail. (Replacement.)  
**Item # SIRC B .....39.95**

**Rail Cap Special** (SC. 428.31; SB. 23-1005)  
Prevents unlocked standards from sliding off when a rail extension is used as a base rail.  
**Item # SIRC S .....21.95**

**Reducing Bushing 3/8 to 1/4"** (SC. 519.61; SB. 23-6006)  
For use with pan tilt head or rail clamp.  
**Item # SIRB .....12.95**



#### VIEWING ACCESSORIES

##### Groundglass

**4x5 Groundglass** (SC. 536.66; SB. 23-4007)  
With 1cm grid and calibrated lines for asymmetric movements. (Replacement for 4x5 cameras.)  
**Item # SIGG45 .....53.95**

4x5  
Groundglass  
(23-4007)  
shown in  
4x5  
Metering  
Back  
(22-1022)



**5x7 Groundglass** (SC. 536.37; SB. 23-4010)  
Same as above, with image size marking for standard and metric film sizes.  
**Item # SIGG57 .....64.95**

**8x10 MB Ground Glass** (SC. 536.58; SB. 23-4029)  
For 8x10 metering back cameras. With 1cm grid, calibration lines for asymmetric movements and image size markings 101/2 x 87/8".  
**Item # SIGGMB810 .....114.95**

**8x10 (Non MB) Ground Glass** (SC. 536.38; SB. 23-4009)  
Fits older style non-metering back cameras. 10 x 81/4".  
**Item # SIGG810 .....119.95**



VIEWING ACCESSORIES, *continued*

## Fresnel Lenses

Fresnel lenses offer a brighter viewing area to judge both camera movements and focusing. The fresnel can easily be snapped into place over the groundglass.

**4x5 Fresnel Lens**  
(SC. 461.76; SB. 23-2012)  
Mounted in holder.  
**Item # SIFM45.....166.00**

**4x5 Fresnel Lens Only**  
(SC. 535.26; SB. 23-4011)  
(Replacement for above.)  
**Item # SIF45.....119.95**

**5x7 Fresnel Lens**  
(SC. 535.17; SB. 23-4013)  
Fits all 5x7 camera backs.  
**Item # SIF57.....247.95**

**8x10 Fresnel Lens**  
(SB. 23-4032)  
Fits 8x10 camera MB backs.  
**Item # SIFMB810.....320.00**

## Misc. Viewing

**Bino Reflex Housing Kit** (23-4022)  
Allows you to view the entire groundglass area right side up. As the mirror is adjustable, you always have the brightest image on the groundglass, especially when used with optional fresnel lens. This kit includes the Bino Reflex Housing 23-4019 (531.12) and light hood 23-4030 (531.51).  
**Item # SIRHBK.....656.00**

**Bino Reflex Housing Only**  
23-4019 (531.12)  
Housing only, for photographers who already own a Lighthood.  
**Item # SIRHB.....607.00**

**Bino Reflex Housing with 4.25 Corrective Loupe** (23-4024)  
As above, with 4.25 corrective loupes. Includes Lighthood.  
**Item # SIRHBCL.....766.95**



Bino  
Reflex  
Housing Kit  
(23-4022)

**Bino Magnifier Board** (23-4031)  
Can be used with any bellows attached to the back of the camera to view the groundglass without having to use a dark cloth. New improved version allows you to make the Bino Board self-supporting by attaching it to a bellows clip and filter rod. (See Lenshoods and Accessories). Requires Lighthood 23-4030 (531.51).  
**Item # SIMBB.....239.95**

**Lighthood with Lightdrop**  
23-4030 (531.51)  
Attaches to either the Bino Reflex Housing or the Bino Board to block out ambient light.  
**Item # SILH.....193.00**

**Corrective Loupe**  
23-4023 (531.12.001)  
4.25 Diopter for farsighted user.  
**Item # SICL.....169.95**

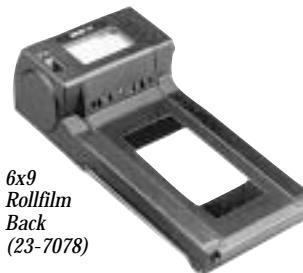
**Sinar 4x Magnifier** (23-4018)  
Large, distortion-free 1.75" field of view with perfect color fidelity. Interchangeable clear and opaque front rings adapt the loupe for print, transparency or groundglass viewing. Helical eyepiece mount adjusts to individual vision. Removable carrying cord.  
**Item # SIM4X.....114.95**



## BACK ACCESSORIES

## Film Holders

**Precision 4x5 Sheet Film Holder** (23-7065; 566.36)  
When the film holder is closed, a two stage pressure plate pushes down onto the film. This holds the film firmly in place (tolerance of +/- 0.03mm.) This guarantees that the emulsion is always in the same place, no matter how thick or thin the film base is. Three cutouts along the edges of the film holder allows the photographer to imprint copyright notes with a litho film insert. Two other adjustable dials can also imprint two digits from 0 to 9. Additional features include an indicator for knowing if the holder is loaded or not and if the film is exposed or not.  
**Item # SIFHP.....634.00**



6x9  
Rollfilm  
Back  
(23-7078)

**Zoom Multiformat Rollfilm Back II** (23-7073)  
Allows you to change the format in middle of a roll. This way you have five different formats available to you - from 4.5x6 up to 6x12. A special film advance prevents image overlap when changing from a smaller format to a larger one. In addition, the film path of the Zoom holder is designed so as to prevent the film from taking any sharp turns before it enters the film gate, thus assuring ultimate film flatness. Its ultra-thin dimensions makes it fit all 4x5 view cameras like a sheet film holder. Includes vario mask 23-7084 and film cartridge 23-7080.  
**Item # SIFBZ2MF.....2,620.00**

**8x10 Adhesive Sheet Film Holder** (23-7068)  
Film is held perfectly flat against the holder, which achieves a level of precision never before possible in 8x10 photography. Film is prevented from shifting within the holder, making it indispensable for multiple image work.  
**Item # SIFHA810.....324.95**

**5x7 Adhesive Sheet Film Holder** (23-7067)  
Same as above for 5x7 sheet film.  
**Item # SIFHA57.....234.95**

**6x9 Rollfilm Back**  
(23-7078) (567.45)  
For 120 and 220 film, 2 1/4 x 3 3/4" (6x9cm), 8 or 16 exposures. Very thin. Fits all 4x5 view cameras like a sheet film holder. Includes 6x9 mask and film cartridge 23-7080.  
**Item # SIFB69.....2,009.95**

**6x7 Rollfilm Back**  
(23-7077) (567.54)  
For 120 and 220 film, 2 1/4 x 2 3/4" (6x7cm), 10 or 20 exposures. Very thin. Fits all 4x5 view cameras like a sheet film holder. Includes 6x7 mask and film cartridge 23-7080.  
**Item # SIFB67.....2,009.95**

**Film Cartridge** (23-7080) (567.92)  
Separate cartridge for preloading. (Replacement for rollfilm backs.)  
**Item # SIFC.....74.95**

**4 Film Cartridge Package**  
(23-7082) (567.82)  
4 cartridges (as above) in box.  
**Item # SIFCS.....289.95**

**Vario Mask** (23-7084) (534.12)  
Replacement for zoom multiformat rollfilm back.  
**Item # SIMV.....126.95**

**Viewing Mask Set** (23-4016)  
For rollfilm backs.  
**Item # SIMVS.....39.95**



### BACK ACCESSORIES, continued

#### Film Plane Metering

**Broncolor FCM 2 Flashmeter** (16-1014)  
Sensitivity range EV 0 to 23.  
Measures flash and continuous light, separately or combined.  
Film plane metering with the addition of the FCM 2 Probe.  
Multiple flash measurement.  
Mean and contrast readings.  
Range f/1.0 - f/180.9 in 1/10 stops. ISO 3 - 4000. LCD display.  
Requires 9 volt battery.  
**Item # BRFCM2.....N.A.**



**Probe for FCM 2 Flashmeter** (16-1011)  
Direct film plane metering with any metering back equipped Sinar view camera.  
**Item # BRPFCM2.....N.A.**

**Sinar Booster 1** (22-1025) (525.11)  
Film plane metering probe for the Minolta Flashmeter IV or III, and for the Broncolor FCM 2 (with adapter). Measures continuous and strobe light. Reads down to .0062 lux (continuous)/.0049 lux (strobe). Long enough to reach all areas of a 4x5, 5x7 or 8x10 metering back. Window on the tip of the meter allows precise spot positioning. Two plastic bumpers prevent damage to your ground glass.  
**Item # SIB1.....1045.00**

**Exposure Calculator** (23-9020)  
Place the cap of this pencil into your set, focus the camera, measure the side marked factor and read your bellows factor. When working with the depth-of-field scale in close-up mode, the f/stop scale will give you the compensation needed.  
**Item # SICEZ.....21.95**

**Y-Sync Cable** (22-3008)  
Trigger strobes with both your shutter and light meter without switching cables. Simplifies the metering process when used with film plane meters such as the Broncolor FCM and probe, the Minolta IV/Booster 1, or the Sinar six Digital.  
**Item # SIYSC.....104.95**

**Minolta Light Meter Holder** (23-2028) (462.96.005)  
Attaches the Minolta Flashmeter IV to a Sinar camera.  
**Item # SILMHM.....87.00**

#### Reducing Backs

**8x10 MB to 4x5 Reducing Adapter** (23-1917:553.58)  
Reduces picture format from 8x10 to 4x5 without change of coupling frame or rear standard. Refocusing is not required. 4x5 F/S back 23-2027 (461.36) or 4x5 metering back 23-1022 (462.16) is required for focusing and mounting 4x5 film.  
**Item # SIRA810MB45 .1,318.00**

**5x7 to 4x5 Reducing Adapter** 23-7003 (553.27)  
The 5x7 to 4x5 Reducing Adapter reduces picture format from 5x7 to 4x5 without the change of a coupling frame or rear standard. Refocusing is not required. 4x5 F/S back 23-2027 (461.36) or 4x5 metering back 23-1022 (462.16) is required for focusing and mounting 4x5 film.  
**Item # SIRA5745.....793.95**



### FRONT ACCESSORIES

#### Auto Aperture Shutter System

The auto aperture shutter lets you control all operations from behind the camera. No more kneeling in front of your camera to check the shutter. The shutter is always fully open. When a film holder is inserted, the shutter automatically closes down. Self-cocking shutter. Shutter speeds from 1/60 to 8 sec. plus b. Aperture control from f/4 to f/45 (higher apertures controlled through DB-manual mount). Lenses must be mounted in the DB mount. For existing shutter lenses, DB conversion kit can be purchased separately.

**Auto Aperture (Copal) Shutter** (22-2001) (521.31)  
Complete with automatic cable 22-2003 (521.51), bayonet connector 22-2004 (521.91), cable release 22-2002 (521.61), synch lead adapter 22-3005 (522.11.005) and 4x4" (100mm) filter holder 58-3000.  
**Item # SIAAS.....2,399.00**

**Automatic Adapter** (22-2006) (426.58)  
For use of auto aperture shutter on 8x10 back. Permits use of Lisco holders with round corners.  
**Item # SIAAAS.....35.95**

**Cable Release** (22-2002) (521.61)  
Cable release for the Auto Aperture shutter. (Replacement.)  
**Item # SICRAAS.....178.95**

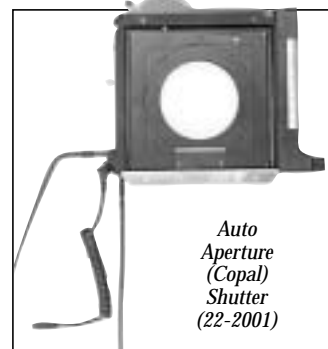
**Coupling Piece** (22-2007) (521.81)  
Used to connect two auto cables when you have a long bellows extension.  
**Item # SICP.....62.95**

**Automatic Cable** (22-2003) (521.51)  
Connects the shutter to the plateholder so that the film holder automatically closes the shutter. (Replacement.)  
**Item # SIACAAS.....203.95**

**Bayonet Piece** (22-2004) (521.91)  
Attaches the automatic cable to the camera back. (Replacement.)  
**Item # SIBPAAS.....49.50**

**Synch Lead Adapter** (22-3005) (522.11.05)  
Coiled adapter connects flash cables to Digital or Auto Aperture Shutters. (Replacement.)  
**Item # SISLAAAS.....64.95**

**Filterholder for Shutters** (58-3000)  
Allows you to mount up to 3 4x4" (100mm) filters on an Auto Aperture, Expolux or Digital Shutter. (Replacement.)  
**Item # SIFHS.....56.95**



FRONT ACCESSORIES, *continued*

## Bellows Hoods, Masks and Mirrors

A filter rod combined with any 4x5 bellows and a pair of bellows holders gives you an instant bellows lens hood for any Sinar camera. For added flexibility, use a joint rod which gives the lens hood a full range of adjustments.

**4x5 Universal Bellows**  
 (Multipurpose Standard)

(23-3004) (454.11)

**Item # SIBS45.....259.00**
**4x5 Wide Angle Bellows**

(23-3007) (455.36)

**Item # SIBWA45.....259.00**
**4x5 Extra Wide Bellows**

(23-3014) (455.46)

**Item # SIBEWA45 .....467.00**
**Filter Rod 4 1/4" (11cm)**

(23-1012) (472.61)

**Item # SIFR4.25.....21.95**
**Filter Rod 6 1/4" (1cm)**

(23-1011) (472.71)

**Item # SIFR6.25.....22.95**
**Filter Rod 10" (25cm)**

(23-1010) (472.81)

**Item # SIFR10.....39.50**
**Bellows Holder** (23-1013) (473.31)

Lets you attach the bellows to either the filter rods or joint rod for use as a lens hood.

**Item # SIBH.....27.95**
**Joint Rod** (23-1015)

Two-point swivel rod for attaching a Bellows Hood to the front of the camera as a lens hood, or a bellows to the back as a focusing hood. Extends to 12" (30cm).

**Item # SIJR .....135.00**

*Bellows Hood Mask I*  
 (23-4015)


**Bellows Hood Mask I**

(23-4015) (533.11)

Functions as a lens hood and as a mask to block off part of the image from being exposed. Attaches to a Multipurpose standard or a bellows holder. Features two built-in wings and a set of clips to hold two additional supplied wings, or custom mask designs.

**Item # SIBHM1 .....138.00**
**Bellows Hood Mask II**

(23-4025) (533.21)

Uses four micrometer-driven curtains to give you precision masking capability and easy multiple images. As a lens hood, you get maximum reduction of stray light, resulting in better color saturation. Attaches to a Multipurpose standard, or to a Filterholder I for rotation capability.

**Item # SIBHM2 .....767.00**
**5x5" (12x12cm)**
**Semi Reflecting Mirror**

(23-4005) (539.11)

50/50% mirror lets your camera "see" two sets at once. Solves lighting problems in close-ups. Projects images onto a background screen with front projection set-ups, making it a valuable special effects tool. Mounts on a Multipurpose standard.

**Item # SIMSR.....654.95**

*Bellows Hood Mask II* (23-4025)

**4x6 Front Surface Mirror**

(23-4001)

Mounts to Multipurpose Standard for special effects photography.

**Item # SIMFS .....146.95**

*5x5" Semi Reflecting Mirror with Housing*  
 (23-4005)



## Lens Boards

**Blank Lensboard** (24-1001)

(441.11)

5 1/16 x 5 1/16 (139 mm x 139 mm) undrilled board.

**Item # SILBB .....64.00**
**#0 Drilled Lensboard**

(24-1048) (441.21.501)

5 1/16 x 5 1/16 (139 mm x 139 mm) board, drilled for #0 shutter.

**Item # SILB0.....86.00**
**#1 Drilled Lensboard**

(24-1049) (441.21.502)

5 1/16 x 5 1/16 (139 mm x 139 mm) board, drilled for #1 shutter.

**Item # SILB1.....86.00**
**#3 Drilled Lensboard**

(24-1050) (441.21.517)

5 1/16 x 5 1/16 (139 mm x 139 mm) board, drilled for #3 shutter.

**Item # SILB3.....86.00**
**#0 Recessed Board**

(24-1052) (441.11.13)

Recessed board for wide angle lenses. Drilled for #0 shutter (for 47mm f/5.6 Super Angulon Lens).

**Item # SILBR4756SA.....303.95**
**#00 Recessed Board**

(24-1053) (441.11.15)

Recessed board for wide angle lenses. Drilled for #00 shutter (for 65mm f/8 Super Angulon Lens).

**Item # SILBR658SA .....303.95**
**X800 Board with Spacer**

(24-1051) (444.50)

Specify lens.

**Item # SILBX800.....218.95**
**Linhof Lensboard Adapter**

(24-1005) (441.91)

Allows use of Linhof Technika mounted lenses onto a Sinar camera.

**Item # SILBAL.....434.95**
**Hasselblad Lens Adapter**

(23-7008)

Allows the use of Hasselblad lenses onto a Sinar camera. Best if used with rollfilm backs.

**Item # SIHLA .....224.95**
**Hasselblad Body Adapter**

(23-7007)

Mounts Hasselblad camera body onto rear standard in place of metering back. It turns the Sinar into a bellows unit with full Sinar camera movements.

**Item # SIHBA .....609.95**
**Lensboard Holder** (24-1002)

Prevents released lenses from falling off the standard.

**Item # SILBH .....22.95**



# S I N A R

## S Y S T E M

VIEW CAMERAS

213

### DB CONVERSION (DO-IT-YOURSELF) KITS

#### DB Conversion kits for Rodenstock

LENS TYPE	mm	Product #	B&H Item#	Price
Grandagon	75mm f/4.5	24-1082	SIDBK7545R	572.95
	90mm f/4.5	24-1084	SIDBK9045R	572.95
Grandagon	75mm f/6.8	24-1086	SIDBK7568R	572.95
	90mm f/6.8	24-1088	SIDBK9068R	572.95
	115mm f/6.8	24-1090	SIDBK11568R	572.95
Sironar-N	100mm f/5.6	24-1014	SIDBK10056R	572.95
	135mm f/5.6	24-1013	SIDBK13556R	572.95
	150mm f/5.6	24-1015	SIDBK15056R	572.95
	180mm f/5.6	24-1016	SIDBK18056R	572.95
	210mm f/5.6	24-1017	SIDBK21056R	572.95
	240mm f/5.6	24-1029	SIDBK24056R	744.95
	300mm f/5.6	24-1030	SIDBK30056R	1,052.95
	360mm f/6.8	24-1031	SIDBK36068R	1,052.95
Makro-Sironar	210mm f/5.6	24-1066	SIDBK21056RQ	744.95
	300mm f/5.6	24-1067	SIDBK30056RQ	1,052.95
Apo-Sironar MC	150mm f/5.6	24-1091	SIDBK15056RQ	572.95
	210mm f/5.6	24-1092	SIDBK21056RZ	1,052.95
Apo-Ronar	150mm f/9	24-1080	SIDBK1509R	572.95
	240mm f/9	24-1032	SIDBK2409R	879.95
	300mm f/9	24-1033	SIDBK3009R	879.95
	360mm f/9	24-1034	SIDBK3609R	1,052.95
	420mm f/9	24-1035	SIDBK4209R	1,052.95
	480mm f/9	24-1036	SIDBK4809R	1,052.95

#### DB Conversion kits for Schneider

LENS TYPE	mm	Product #	B&H Item#	Price
Super Angulon	75mm f/5.6	24-1021	SIDBK7556S	572.95
	90mm f/5.6	24-1022	SIDBK9056S	572.95
Super Angulon	75mm f/8	24-1023	SIDBK758S	572.95
	90mm f/8	24-1019	SIDBK908S	572.95
	120mm f/8	24-1020	SIDBK1208S	879.95
Symmar-S	100mm f/5.6	24-1024	SIDBK10056S	572.95
	120mm f/5.6	24-1073	SIDBK12056S	572.95
	135mm f/5.6	24-1025	SIDBK13556S	572.95
	150mm f/5.6	24-1018	SIDBK15056S	572.95
	180mm f/5.6	24-1026	SIDBK18056S	572.95
	210mm f/5.6	24-1027	SIDBK21056S	572.95
	240mm f/5.6	24-1028	SIDBK24056S	744.95
	300mm f/5.6	24-1007	SIDBK30056S	1,052.95
	360mm f/6.8	24-1008	SIDBK36068S	1,052.95
	480mm f/8.4	24-1009	SIDBK48084S	1,052.95
Super Symmar HM	150mm f/5.6	24-1076	SIDBK15056SQ	572.95
	210mm f/5.6	24-1077	SIDBK21056SQ	744.95
Apo-Symmar	120mm f/5.6	24-1093	SIDBK12056SQ	572.95
	150mm f/5.6	24-1094	SIDBK15056SZ	572.95
	210mm f/5.6	24-1095	SIDBK21056SZ	572.95

#### DB Conversion kits for Nikkor

LENS TYPE	mm	Product #	B&H Item#	Price
Nikkor SW	75mm f/4.5	24-1068	SIDBK7545N	572.95
	90mm f/4.5	24-1044	SIDBK9045N	572.95
	90mm f/8	24-1075	SIDBK908N	572.95
Nikkor W	100mm f/5.6	24-1069	SIDBK10056N	572.95
	135mm f/5.6	24-1037	SIDBK13556N	572.95
	150mm f/5.6	24-1038	SIDBK15056N	572.95
	180mm f/5.6	24-1039	SIDBK18056N	572.95
	210mm f/5.6	24-1040	SIDBK21056N	572.95
Nikkor W	240mm f/6.3	24-1041	SIDBK24063N	744.95
	300mm f/6.3	24-1042	SIDBK30063N	1052.95
Nikkor M	300mm f/9	24-1046	SIDBK3009N	879.95
	450mm f/9	24-1063	SIDBK4509N	1052.95
Nikkor AM-ED	120mm f/5.6	24-1070	SIDBK12056N	572.95

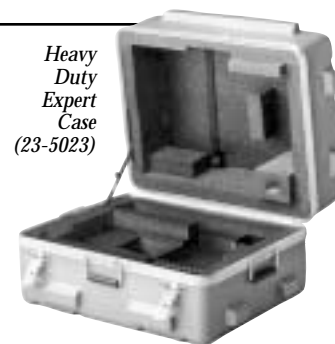


#### CASES

**Camera/Accessory Case (23-5021)**  
Designed to be top loaded with the camera supported by the rail. Vertical dividers keep the camera firmly in place. High density polyethylene. Interior surfaces covered with foam. Outside dimensions are 20" L x 11" W x 18" D. Weighs 5 lbs. **Item # SICC.....399.95**

**f1 & f2 Image Case (23-5026)**  
Holds either the f1 or the f2 in a custom foam insert. The attache styled Image Case has room to store 2 lenses, 2 extension rails, 6 film holders, a Polaroid 545 holder, wide angle bellows and bellow clips. Light weight aluminum closure with a padded handle and suitcase-style latches. The locks prevent the case from being opened upside down. Outside dimensions are 21 x 13 x 8" D LWD. Weighs 2.5 lbs. **Item # SICF11.....203.95**

**Expolux Case (23-5011)**  
Securely holds an entire Expolux shutter system for transportation or storage. Measures 25 x 18 x 7". **Item # SICE.....218.95**



**Heavy Duty Expert Case (23-5023)**  
Holds either a 4x5 or 8x10 camera along with a full load of accessories. Shock absorbing rib design. Velcro straps secure the camera. Heavy duty military latches. Recessed, spring loaded padded handles on the front and top of the case. 3" hard rubber casters. Outside dimensions: 25 x 19 x 15" LWD. Weighs 9.5 lbs. **Item # SICEQ.....549.95**

**Large Dust Cover (23-5034)**  
Keeps your camera dust-free when not in use. **Item # SIDC.....69.95**

**Lens Box (24-1003)**  
Keeps your large format lenses safe, whether they are on location or on the shelf. **Item # SILC.....22.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



## SINARON LENSES

Sinaron lenses are manufactured to the highest professional standards. Designed for optimum resolution, contrast and color rendition with minimal fall-off distortion and flare, they are mounted at the exact center of the lensboard and are carefully aligned. Sinaron lenses are mounted with minimum deviation in centering and separation between the matched element groups. Tested for the best

possible image performance, these lenses are designed to let the photographer take full advantage of the wide range of swings and tilts available on Sinar cameras. When used with Sinar cameras, Sinaron lenses provide matched bearing points on the lensboard and lens standard, and minimum deviations between the film plane and the image standard bearing points.

## SINARON LENS SPECIFICATIONS

Lens Type	mm	Angle of Coverage	Copal Shutter	Filter Thread	Image Circle at f/22	Shifts in mm at infinity and f/22					
						4x5		5x7		8x10	
sinaron-we	45mm f/4.5	110°	0	58	131mm	-	-	-	-	-	-
	55mm f/4.5	110°	0	67	163mm	5	7	-	-	-	-
sinaron-w	65mm f/4.5	105°	0	58	170mm	10	12	-	-	-	-
	75mm f/4.5	105°	0	67	195mm	25	29	-	-	-	-
	90mm f/4.5	105°	1	82	236mm	48	54	16	20	-	-
	75mm f/6.8	102°	0	58	187mm	20	24	-	-	-	-
	90mm f/6.8	102°	0	67	221mm	40	45	7	9	-	-
	115mm f/6.8	104°	1	82	291mm	77	85	47	57	-	-
	155mm f/6.8	102°	1	105	382mm	125	133	95	110	42	50
<i>Distortion at infinity minimized to below 0.5%</i>											
sinaron-s	135mm f/5.6	72°	0	40.5	200mm	28	32	-	-	-	-
	150mm f/5.6	72°	0	49	214mm	36	41	2	3	-	-
	180mm f/5.6	72°	1	39	262mm	62	68	30	38	-	-
	210mm f/5.6	72°	1	67	310mm	83	90	52	63	-	-
	240mm f/5.6	72°	3	77	350mm	108	116	79	92	23	28
	300mm f/5.6	72°	3	86	425mm	139	148	110	125	58	67
	360mm f/6.8	64°	3	105	435mm	152	161	123	139	72	83
<i>Angle of coverage lets you take full advantage of camera movements without sacrificing quality.</i>											
sinaron-se	135mm f/5.6	75°	0	49	208mm	32	37	-	-	-	-
	150mm f/5.6	75°	0	49	231mm	45	50	12	16	-	-
	180mm f/5.6	75°	1	67	276mm	69	76	38	47	-	-
	210mm f/6.8	75°	1	72	316mm	91	98	60	72	2	3
	240mm f/6.8	75°	3	86	372mm	120	128	90	104	36	43
	300mm f/6.8	75°	3	100	448mm	159	168	130	146	79	91
	360mm f/6.8	68°	3	112	468mm	169	178	140	157	90	102
sinaron-ws	150mm f/5.6	80°	1	72	252mm	56	63	26	33	-	-
	210mm f/5.6	80°	3	105	352mm	109	117	80	94	24	29
	300mm f/5.6	80°	3	127	490mm	180	190	152	169	102	115
Macro sinaron	180mm f/5.6	70°	1	67	302mm	83	90	52	63	-	-
		60°			415mm	142	150	113	128	61	70
	300mm f/5.6	50°	3	77	360mm	115	123	85	99	30	36
					550mm	208	217	180	198	132	146
<i>Superior performance at 1:1 Image quality maintained at smaller ratios for complete flexibility. Longer focal lengths for increased camera to subject distance. Four element symmetrical design.</i>											
Apo sinaron	240mm f/9	48°	1	49	212mm	35	39	-	-	-	-
	300mm f/9	48°	1	49	264mm	63	70	32	40	-	-
	360mm f/9	48°	3	58	318mm	92	99	62	74	3	4
	480mm f/9	46°	3	67	396mm	132	141	104	118	50	59
<i>Flat-field lenses, often referred to as process lenses, are designed for copy work at a 1:1 reproduction ratio. Their apochromatic design ensures that all wavelengths of light are focused in the same plane, rendering fine detail with maximum sharpness. This is an advantage in copy-work, landscapes and jewelry.</i>											

# SINAR

## SYSTEM

VIEW CAMERAS

215

### sinaron Lenses

LENS TYPE		Copal Mounted Lenses include Lens precision mounted on Sinar lensboard with lens case			DB mounted lenses are for use with Sinar automatic behind-the-lens shutters precision mounted on Sinar DB lens board			DB conversion kits for sinaron copal lenses. (do it yourself kits)		
	Lens	Product#	B&H Item#	Price	Product#	B&H Item#	Price	Product#	B&H Item#	Price
sinaron-we	45mm f/4.5	24-7208	SI4545SWE	1,559.95	N/A	—	—	N/A	—	—
	55mm f/4.5	24-7209	SI5545SWE	1,628.95	N/A	—	—	N/A	—	—
sinaron-w	65mm f/4.5	24-7201	SI6545SW	1,424.95	24-3101	SI6545SWDB	1,424.95	24-1101	SIDBK6545	572.95
	75mm f/4.5	24-7202	SI7545SW	1,498.95	24-3102	SI7545SWDB	1,498.95	24-1102	SIDBK7545	572.95
	90mm f/4.5	24-7203	SI9045SW	1,698.95	24-3103	SI9045SWDB	1,698.95	24-1103	SIDBK9045	572.95
	75mm f/6.8	N/A	—	—	N/A	—	—	24-1104	SIDBK7568	572.95
	90mm f/6.8	24-7205	SI9068SW	1144.95	24-3105	SI9068SWDB	1,144.95	24-1105	SIDBK9068	572.95
	115mm f/6.8	24-7206	SI11568SW	1738.95	24-3106	SI11568SWDB	1,738.95	24-1106	SIDBK11568	572.95
	155mm f/6.8	24-7207	SI15568SW	3618.50	N/A	—	—	N/A	—	—
sinaron-s	135mm f/5.6	24-7210	SI13556SS	788.95	24-3110	SI13556SSDB	788.95	24-1110	SIDBK13556	572.95
	150mm f/5.6	24-7211	SI15056SSLB	809.00	24-3111	SI15056SSDB	808.95	24-1111	SIDBK15056	572.95
	180mm f/5.6	24-7212	SI18056SS	1,018.95	24-3112	SI18056SSDB	1,018.95	24-1112	SIDBK18056	572.95
	210mm f/5.6	24-7213	SI21056SS	1,109.00	24-3113	SI21056SSDB	1,108.95	24-1113	SIDBK21056	572.95
	240mm f/5.6	24-7214	SI24056SS	1,698.95	24-3114	SI24056SSDB	1,698.95	24-1114	SIDBK24056	744.95
	*300mm f/6.8	24-7215	SI30068SSLB	2,668.50	24-3115	SI30068SSDB	2,668.50	24-1115	SIDBK30068	1,052.95
	*360mm f/6.8	24-7216	SI36068SS	2,988.50	24-3116	SI36068SSDB	2,988.50	24-1116	SIDBK36068	1,052.95
	*480mm f/9	24-7217	SI4809SS	3,648.50	24-3117	SI4809SSDB	3,648.50	24-1117	SIDBK4809	1,052.95
sinaron-se	135mm f/5.6	24-7235	SI13556SSE	928.95	24-3135	SI13556SSEDB	928.95	24-1130	SIDBK13556Q	572.95
	150mm f/5.6	24-7236	SI15056SSE	968.95	24-3136	SI15056SSEDB	968.95	24-1131	SIDBK15056Z	572.95
	180mm f/5.6	24-7237	SI18056SSE	1,168.95	24-3137	SI18056SSEDB	1,168.95	24-1132	SIDBK18056Q	572.95
	210mm f/5.6	24-7238	SI21056SSE	1,328.95	24-3138	SI21056SSEDB	1,328.95	24-1133	SIDBK21056	572.95
	240mm f/5.6	24-7239	SI24056SSE	2,458.95	24-3139	SI24056SSEDB	2,458.95	24-1134	SIDBK24056Q	744.95
	*300mm f/5.6	24-7240	SI30056SSE	3,208.50	24-3140	SI30056SSEDB	3,208.50	24-1135	SIDBK30056Q	1,052.95
	*360mm f/6.8	24-7241	SI36068SSE	3,598.50	24-3141	SI36068SSEDB	3,598.50	24-1136	SIDBK36068Q	1,052.95
sinaron-ws	150mm f/5.6	24-7218	SI15056SWS	1,298.95	24-3118	SI15056SWSD	1,298.95	24-1118	SIDBK15056Q	572.95
	210mm f/5.6	24-7219	SI21056SWS	1,988.95	24-3119	SI21056SWSD	1,988.95	24-1119	SIDBK21056Q	1,052.95
	300mm f/5.6	24-7220	SI30056SWS	3,468.50	N/A	—	—	N/A	—	—
Macro sinaron	180mm f/5.6	24-7223	SI18056MS	1,718.95	24-3123	SI18056MSDB	1,718.95	N/A	—	—
	210mm f/5.6	N/A	—	—	N/A	—	—	24-1113	SIDBK21056	572.95
	*300mm f/5.6	24-7222	SI30056MS	3,698.50	24-3122	SI30056MSDB	3,698.50	24-1122	SIDBK30056	1,052.95
Apo sinaron	150mm f/9	N/A	—	—	—	—	—	24-1125	SIDBK1509	572.95
	240mm f/9	24-7226	SI2409AS	1,418.95	24-3126	SI2409ASDB	1,418.95	24-1126	SIDBK2409	848.95
	300mm f/9	24-7227	SI3009AS	1,598.95	24-3127	SI3009ASDB	1,598.95	24-1127	SIDBK3009	848.95
	*360mm f/9	24-7228	SI3609AS	2,208.95	24-3128	SI3609ASDB	2,208.95	24-1128	SIDBK3609	1,052.95
	*480mm f/9	24-7229	SI4809AS	2,608.50	24-3129	SI4809ASDB	2,608.50	24-1129	SIDBK4809Q	1,052.95

\*Manual override already built in for smaller aperture openings. Manual override may be ordered for any DB lens or conversion kit for an additional \$274.95  
Order regular product number plus (24-1061) or B&H Item# plus MDR



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# SINAR

## SYSTEM



### ELECTRONIC IMAGING

#### Individual System Components

**p2/Leaf Horizontal Adapter** (25-1915)  
For the DCB II and CatchLight.  
**Item # SILHAP2 .....4,514.50**

**p2/Kodak Horizontal Adapter** (25-1920)  
For the Kodak DCS-465 Digital camera.  
**Item # SIKHAP2 .....4,514.50**

**Leaf/Expolux Release Cable 2** (25-1916)  
Replacement cable for the horizontal adapter.  
**Item # SICRDCB2 .....264.95**

**Kodak/Expolux Release Cable** (25-1931)  
Replacement cable for the horizontal Sinar/Kodak adapter.  
**Item # SICRKDCS .....239.95**

**Format Mask, Phase 1** (25-1962)  
Masks any 4x5 Sinar groundglass to the image area of the Phase 1 digital back.  
**Item # SIFMP1 .....31.95**

**Format Mask Dicommed** (25-1963)  
Masks any 4x5 Sinar groundglass to the image area of the Dicommed scan back.  
**Item # SIFMD .....31.95**

**Filter Holder Kit, Dicommed** (25-1964)  
Attaches either size Dicommed filter to the back of the Auto-Aperture shutter.  
**Item # SIFHKD .....286.95**

**p2/Megavision Adapter** (25-1960Q)  
**Item # SIP2MA .....T.B.A.**

*See outfits on page 195*

#### Video Viewer

The Video Viewer makes it much easier for you to compose your shots when using a Leaf or Kodak digital back on Sinar view cameras. It takes the groundglass image and places it on any TV monitor. This allows you to see your exact composition while you are adjusting your set, instead of having to run back and forth to the camera. Fits on any Sinar/Leaf or Sinar/Kodak adapter in place of the normal magnifier. The angle of the Viewer is adjustable to get the brightest possible image, even with camera movements applied. The Viewer is supplied with a special replacement groundglass to further improve the video image. On Sinar p2 and x/d cameras, the viewer's Video Box lets you distribute the video signal to up to

three separate monitors. On the CapCam, you can use the Video Box to drive an external monitor, or the viewer can share the 4" LCD focusing monitor built into the camera.

**Video Viewer** (25-1960)  
Includes the Viewer attachment, video box and focusing screen (please specify camera body and digital back). Requires NTSC monitor.  
**Item # SIVV .....5,506.50**

**Video Box** (25-1961)  
**Item # SIVB .....1,868.95**

**Video Power Supply Cable** (25-1965)  
Replacement.  
**Item # SIPCVC .....59.95**

**Video Signal Cable** (25-1966)  
**Item # SISCV .....59.95**



### SINARON DIGITAL LENSES

Conventional view camera lenses are not very well suited for use with the new area CCD capture backs. The focal lengths of view camera lenses become too long for studio use. What would be a normal lens on a 4x5 becomes the equivalent of over 500mm when used on a 3x3cm CCD.

The Sinaron-Digital lenses have been designed for use with the Leaf Digital Studio Camera on

a Sinar p2 view camera. The Digital lenses have shorter focal lengths which are appropriate to the smaller size of the CCD chips relative to 4x5 film. They also feature increased resolution to get the most out of the high pixel density of area CCDs.

The lenses are mounted behind the front standard, which moves the lens and CCD as close together as possible while still maintaining a comfortable separation between the standards. This permits greater swings and

tilts than traditional view camera lenses.

Digital lenses are supplied in special DB mounts. They can only be used with the Expolux shutter system.

The lenses are available in two versions — standard, which can be used with any Expolux Shutter, and Tricolor, which can only be used with the Tricolor shutter — and offer you greater camera movements.



Focal Length	4x5 Equivalent	Aperture Range	Angle of Coverage	Image Circle at Infinity	Shifts at Infinity	Tricolor Product #	B&H Item #	B&H Price
40mm	150mm	4.0-16	62°	49mm	4mm	25-3160	SI404SDDBT	2,036.95
45mm	170mm	4.5-32	82°	80mm	22mm	25-3167	SI4545SDDB	2,749.95
55mm	210mm	4.5-32	83°	101mm	33mm	25-3168	SI5545SDDB	2,854.95
60mm	240mm	4.0-22	64°	77mm	20mm	25-3162	SI604SDDBT	2,719.50
80mm	300mm	4.0-32	58°	92mm	28mm	25-3163	SI804SDDBT	3,163.50
105mm	420mm	4.0-32	54°	107mm	36mm	25-3165	SI1054SDDBT	3,299.95
135mm	480mm	5.6-45	58°	150mm	58mm	25-3164	SI13556SDDBT	3,299.95





### ELECTRONIC IMAGING, *continued*

### Expolux Electronic Shutter System

The Expolux electronic shutter system brings state-of-the-art electronics and a new level of user-friendliness to the Sinar shutter line. Expolux, like all Sinar shutters, lets you control all your lenses with a single shutter for greater accuracy.



*Expolux Electronic Shutter System*

#### Expolux Shutter (22-4010)

This electronic, fully automatic behind-the-lens shutter, electronically controlled step motors, gives extremely accurate exposures in small increments down to 1/500 sec., with an aperture range of f/4 to f/128. The Expolux shutter can be controlled either from the Expolux Monitor, or directly by the Sinar e camera.

**Item # SISE .....5,109.50**

#### Expolux Monitor (22-4020)

A 3x4" LCD display, the "brains" of the Expolux system, gives you total control over shutter functions, metering and exposure calculation. All program functions are on an interchangeable RAM card. This allows new functions to be added to the system just by inserting an updated Expolux Card.

**Item # SIME .....3,103.50**

#### Expolux Power Supply (22-4015)

Universal-voltage unit powers the entire Expolux system.

**Item # SIPSE .....939.95**

#### Expolux Card (22-4022)

Contains all program functions of the Expolux Monitor.

**Item # SICEJ .....234.95**

#### Expolux Booster (22-4025)

Exposure probe feeds spot readings from the film plane to the Expolux Monitor for precise light metering. Measures both flash and continuous light, and all areas of the groundglass. Powered by the Expolux system.

**Item # SIBE .....1,304.95**

#### Expolux System Complete (22-4000)

Includes Expolux Shutter, Expolux Monitor, Expolux Power Supply, Expolux Card, Expolux Monitor Holder, and Expolux Booster.

**Item # SIEK .....9,915.95**

#### "Easy Mode" Package (22-4005)

An Expolux system without lightmetering capability. Software runs in the simplified "Easy Mode". The Easy Mode can be upgraded to a full Expolux system by adding an Expolux Booster.

**Item # SIEEM .....8703.95**

#### Expolux Tricolor

##### Macintosh Version (25-1900)

For digital imaging applications, you can control Expolux directly from your Macintosh computer, eliminating the need for the Expolux Monitor and greatly reducing the cost of the shutter package.

**Item # SITCSEM .....4,994.50**

##### Expolux for Catchlight/DCS 465 Macintosh Version (25-1901)

**Item # SIEKDCS465M 4,304.50**

#### Expolux Tricolor Shutter for 3-Shot Backs (25-2000)

For backs which shoot 3 exposures through red, green and blue filters, the Expolux Tricolor shutter eliminates the need for an external filter wheel. This leaves the front of the camera free to mount a compendium lens shade to help increase contrast and color saturation.

**Item # SITCSE .....3,803.50**

### Expolux Components

#### Monitor Holder (22-4030)

Attaches the Expolux Monitor to your Sinar camera.

**Item # SIEMH .....224.95**

#### Monitor-Shutter Cable (22-4026)

Replacement.

**Item # SISCSE .....107.95**

#### Monitor-Power

##### Supply Cable (22-4027)

Replacement.

**Item # SIPSCEM .....144.95**

#### Expolux Shutter

##### Release Cable (22-4021)

**Item # SISRCE .....169.95**

#### e Release Cable (22-2015)

Required when using the Expolux Shutter with the Sinar e camera.

**Item # SICRE .....148.95**

#### Extension Cable (22-2018)

Control Unit.

**Item # SICUEE .....169.95**

#### e Data Cable Extension (22-2016)

**Item # SIDCEE .....T.B.A.**

### Miscellaneous Electronic Imaging Accessories

#### Adapter for Leaf Digital Camera Back (25-1910)

This sliding adapter mounts the Leaf DCB to the Sinar p2 camera. It can accept any Hasselblad finder.

**Item # SILDA .....4,654.95**

#### x/Leaf Tricolor Package (25-1922)

**Item # SIIKXDL .....6,609.50**

#### Adjustable Viewfinder (25-1911)

For Leaf/Kodak. Allows you to view the groundglass from any angle with any combination of movements.

**Item # SIFLDA .....974.95**

#### Filter Wheel Adapter (25-1912)

**Item # SIFWSA .....129.95**

#### Leaf/Expolux Release Cable (25-1913)

**Item # SICRLE .....284.95**

#### Special 90° Adapter (25-1914)

Angles the power cable of the Leaf DCB so it does not interfere with camera movements.

**Item # SIPQ .....324.95**

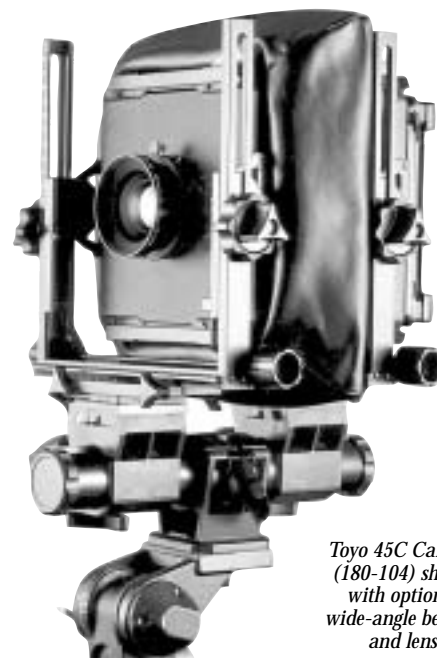
# TOYO

## 45C 4x5 SYSTEM

VIEW CAMERAS

218

*Successful photographers strive for new creative challenges and rely upon large format cameras for ultimate image quality. Toyo cameras are designed to meet the most demanding practical and creative needs of the working photographer. The Toyo-View 45C is the entry level 4x5 model in the Toyo Modular system. It has a complete range of independent locking movements and capabilities, prepared to meet any professional demand. Design includes front and rear rack and pinion fine focus and geared rise. Its light weight makes it ideal for outdoor use. It utilizes all of the Toyo Modular system components and viewing accessories, including interchangeable bellows, monorails and 8x10 conversion kits.*



*Toyo 45C Camera (180-104) shown with optional wide-angle bellows and lens*

### FEATURES

- Versatile, economical full movement view camera for studio and location
- Polycarbonate frames and base blocks offer light and rugged construction with geared rise and focus movements
- Dual axis spirit level on rear standard
- Uses all Toyo G system accessories
- Non-vignetting 360° revolving back with Easyload Bail Arm
- Convertible to 5x7 and 8x10 by adding bellows, rear frame and back
- Rack and pinion micro fine focusing on front and rear
- Non-vignetting 360° revolving back with Easyload Bail Arm
- Center tilt
- Portable (9 lbs., folds flat with bellows detached)
- Independent shift
- Independent locks on all movements
- Interchangeable 39ø monorail
- A good choice for students or beginners due to its simple, straight-forward design and reasonable cost

**45C Camera 180-104 (87)**  
 Consists of: Non-vignetting 360° revolving back with Easyload Bail Arm, Toyo grid groundglass with 6x7cm and 6x9cm markings, quick release mounting block with 1/4" and 3/8" tripod sockets, standard bellows, 450mm universal monorail (can be interchanged with Toyo G rail system) and predrilled #0 lensboard.  
**Item # TO45C.....1,079.00**

- 120mm geared rise
- Lightweight, can be used easily in the field

### 45C SPECIFICATIONS

#### TILTS

Front 96°; Rear 96°

#### SWINGS

Front 360°; Rear 360°

#### RISE & FALL

Front 4.7" (120mm);  
Rear 4.7" (120mm)

#### LATERAL SHIFT

Front 3.5" (90mm);  
Rear 3.5" (90mm)

#### CAMERA BACK:

International Standard 4x5  
Revolving Back

#### FOCUSING SCREEN:

Etched 4x5 Grid

#### INTERCHANGEABLE

#### BELLOWS:

Yes

#### MINIMUM EXTENSION:

3.2" (82mm) with Standard  
Board 1.6" (42mm) with  
Recessed Board

#### MAXIMUM EXTENSION:

17.7" (449mm)

#### MONORAIL LENGTH:

17.7" (450mm)

#### LENSBOARD:

Toyo 158x158mm Flat or  
Recessed Board, or misc  
Lensboard Adapters

#### FOLDED DIMENSIONS:

19 x 14 x 11"  
(474 x 352 x 274mm) LHW

#### WEIGHT:

9 lbs. (4kg)

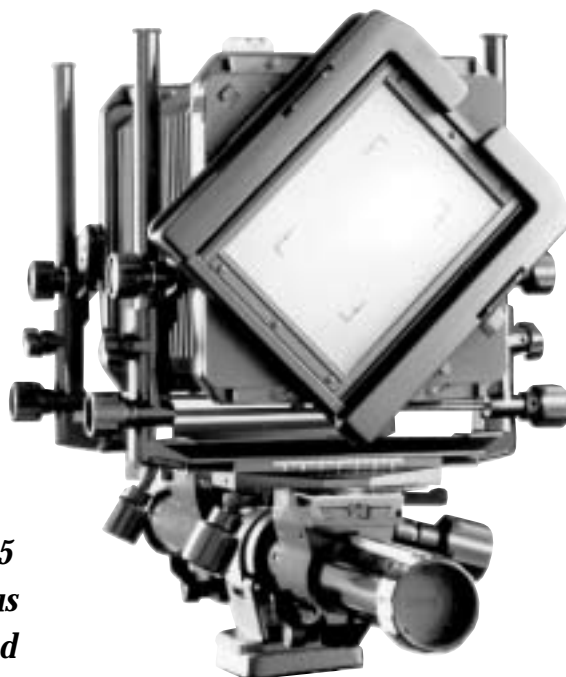
*Subject to change without notice*

**All items are complete with all accessories as supplied by the manufacturer**

# TOYO

## 45 GII 4x5 SYSTEM

*The Toyo 45 GII is the centerpiece of the extensive Toyo G series. A heavy-duty, wide-framed, all-metal fully modular multifORMAT camera system, the 4x5 camera can be converted to 2¼ x 3¼", up to 8x10". Universal and format related components and accessories are interchangeable, creating a comprehensive system which grows with your professional needs. For ease of operation, all of the controls, functions, reliability and rigidity are identical for each format camera. The Toyo 45 GII offers the photographer silky-smooth controls, generous movements and a durable, practical design. First introduced as the 45 G in 1978, this camera is still the workhorse for many professionals.*



Toyo 45 GII Pro Camera (180-220)  
shown with revolving back

VIEW CAMERAS

219

### FEATURES

- Heavy duty modular system camera with precise geared control
  - Convertible to 5x7 and 8x10 by adding bellows, rear frame and back
  - Convertible to GX Yaw-Free operation
  - Toyo non-vignetting 360° revolving back with Easyload Bail Arm
  - Independent locks on all movements
  - Extreme 145mm geared rise and 70mm geared shift front and rear
  - Rack and Pinion micro fine focusing on front and rear
  - Center tilt
  - A good choice for the beginning professional or advanced amateur
  - Dual axis spirit levels
- Toyo 45 GII Pro Camera 180-220 (114)  
Consists of a non-vignetting 360° revolving back with Easyload Bail Arm, Toyo acid etched grid groundglass with 6x7cm and 6x9cm markings, quick release mounting block with ¼" and ⅜" tripod sockets, 250mm basic monorail, 250mm extension monorail, standard bellows, predrilled #0 lensboard  
Item # TO45G2.....2,615.00

### 45 GII SPECIFICATIONS

#### TILTS

Front 80°, Rear 80°

#### SWINGS

Front 60°, Rear 60°

#### RISE & FALL

Front 5.7" (145mm),  
Rear 5.7" (145mm)

#### LATERAL SHIFT

Front 2.8" (70mm),  
Rear 2.8" (70mm)

#### CAMERA BACK

International Standard 4x5  
Revolving Back

#### FOCUSING SCREEN:

4x5 Fresnel Lens

#### INTERCHANGEABLE BELLOWS:

Yes

#### MINIMUM EXTENSION:

3.9" (99mm) with Standard  
Board2" (50mm) with  
Recessed Board

#### MAXIMUM EXTENSION:

19" (485mm)

#### MONORAIL LENGTH:

9.8 x 9.8" (250x250mm)

#### YAW-FREE:

Convertible at Factory

#### LENSBOARD:

Toyo 158x158mm Flat or  
Recessed Board, or misc  
Lensboard Adapters

#### FOLDED

#### DIMENSIONS:

11 x 13 x 10"  
(291 x 330 x 264mm)

#### WEIGHT:

12.1 lbs (5.5kg)

Subject to change without notice



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# TOYO

## 4 5 G X 4 x 5 S Y S T E M

VIEW CAMERAS

220

*The latest in Yaw-Free design cameras, the Toyo GX offers both base and center axis tilt for total image control and freedom to choose any operating technique. The Toyo GX, in the tradition of the Modular System, maintains complete compatibility with all existing Toyo cameras. In addition to the fine geared controls and movement capability of the traditional Toyo G series, the GX features Toyo's unique bi-axial yaw-free design with dual system base and center axis tilts, as well as a 1/2 stop calibrated depth-of-field calculator, GX Zero midpoint calibrated rack and pinion rise and large control knobs.*



*Toyo 45 GX  
Pro Camera (180-209)  
shown with optional lens*

### FEATURES

- **Bi-axial Yaw-Free system camera with precise geared control**
- **Convertible to 5x7 and 8x10 by adding bellows, rear frame and back**
- **Rack and pinion micro fine focusing on front and rear**
- **Non-vignetting 360° revolving back with Easyload Bail Arm**
- **Rapid base tilt and center tilt**
- **Independent locks on all movements**
- **GX depth-of-field calculator (1/2 stop increments)**
- **Large super grip control knobs**
- **GX Zero mid-point calibrated rack and pinion rise**
- **Expanded monorail**
- **Time proven "U" frame design**
- **Dual axis spirit levels (front and rear)**

**Toyo 45 GX Pro Camera 180-209 (103)**  
Consists of non-vignetting 360° revolving back with Easyload Bail Arm, GX depth-of-field calculator knob, Toyo Super Brite Fresnel lens, Toyo acid etched grid groundglass with 6 x 7 and 6 x 9cm markings, quick release mounting block with 1/4" and 3/8" tripod sockets, standard bellows, 250mm basic monorail, 250mm Extension monorail and pre-drilled #0 Lensboard.  
**Item # TO45GX.....3,115.00**

### 45GX SPECIFICATIONS

**CENTER TILTS**  
Front: 80°; Rear: 80°

**BASE TILTS**  
Front: 90°; Rear: 90°

**SWINGS**  
Front: 60°; Rear: 60°

**RISE & FALL**  
Front: 5.7" (145mm);  
Rear: 5.7" (145mm)

*Subject to change without notice*

**LATERAL SHIFT**  
Front: 2.8" (70mm);  
Rear: 2.8" (70mm)

**CAMERA BACK:**  
International Standard  
4x5 Revolving Back

**FOCUSING SCREEN:**  
4x5 Fresnel Lens

**INTERCHANGEABLE BELLOWS:**  
Yes

**MINIMUM EXTENSION:**  
3.9" (99mm)  
with Standard Board

2" (50mm)  
with Recessed Board

**MAXIMUM EXTENSION:**  
19" (485mm)

**MONORAIL LENGTH:**  
9.8 x 9.8" (250 x 250mm)

**YAW-FREE:**  
Yes

**LENSBOARD:**  
Toyo 158 x 158mm Flat or  
Recessed Board, or misc  
Lensboard Adapters

**FOLDED DIMENSIONS:**  
11.5 x 15.6 x 10.5"  
(291 x 397 x 266mm)

**WEIGHT:**  
14.1 lbs.

We are on the web at: <http://www.bhphotovideo.com>



# TOYO

## VX-125 4x5 STUDIO/FIELD SYSTEM

*The Toyo VX125 cameras are the most compact and light-weight members of the Toyo G modular system. They have a unique design, making them ideal for studio applications requiring precision movement and modular accessories, as well as location, landscape and field work requiring minimal weight and compact portability. Few cameras designed for field photography have the advanced, studio-type features that these compact cameras have. Yaw-free, base tilt movement allow the photographer greater degrees of tilts, due to the ability to make indirect displacement of the front and rear standards. All of this makes the VX-125 the perfect camera for someone whose photography includes both studio and field work.*



Toyo  
VX125 Camera  
(180-125)  
shown with  
optional lens

VIEW CAMERAS

221

### FEATURES

- **Full featured ultra-lite monorail view camera for use with 4x5 cut film, Polaroid, or roll film backs from 6x7cm to 6x12cm**
- **Geared shift and microfine focus on front and rear**
- **Geared rise on VX-125 and VX-125b**
- **All metal alloy gives field weight of only 5.5 lbs., yet studio capability and the rigidity of heavy duty monorail cameras**
- **Telescoping Base monorail allows camera to compact to 5" depth on VX-125 and VX-125b**

**Toyo VX125 Camera 180-125 (125)**  
Consists of:

Revolving Graflok back, Super-Brite fresnel lens, acid etched grid groundglass with 6x7cm and 6x9cm markings, quick release mounting plate with 1/4" and 3/8" sockets, 125-250mm expandable monorail, Two 25mm compact extension caps, normal/wide ultra-flex bellows and compact ABS case. Jade green color.

**Item # TOVX125GR....5,995.00**

**Toyo VX125b Camera 180-123 (123)**  
Same as VX125 but in black color.

**Item # TOVX125B .....5,995.00**

**Toyo VX125R Black Camera 180-124 (124)**

Consists of: Revolving back, Super-Brite fresnel lens, acid etched grid groundglass with 6x7 and 6x9cm markings, 40mm 1/4" compact tripod mounting block., 125mm monorail, two 25mm compact extension caps, normal/wide ultra flex bellows and compact ABS case.

**Item # TOVX125R .....3,815.00**

### VX-125 4x5 SPECIFICATIONS

#### TILTS:

Front Base Tilt:  
VX125/VX125b: 40°;  
VX-125R: 50°  
Rear Base Tilt: 40°

#### SWINGS:

Front 50°; Rear 50°

#### RISE & FALL (COMBINED):

Geared on VX125 and VX125b  
Manual on VX125R

Front 2.75" (70mm);  
Rear 2.75" (70mm)

#### LATERAL SHIFT:

Front 2.75" (70mm);  
Rear 2.75" (70mm)

#### CAMERA BACK:

International Standard 4x5  
360° Revolving Back

#### FOCUSING SCREEN:

Fresnel and Acid Etched  
Groundglass

#### INTERCHANGEABLE

BELLOWS:  
Yes

#### MINIMUM BELLOWS

##### DRAW:

2.6" (67mm)  
with Standard Board;  
0.9" (22mm)  
with Recessed Board

#### MAXIMUM EXTENSION:

12.8" (325mm)

#### MONORAIL LENGTH:

VX125/VX125b: Expandable  
from 5-9.9" (125-250mm)  
VX125R: 5" (125mm)

#### YAW-FREE BASE TILT:

Yes

#### LENSBOARD:

Toyo 158x158mm Flat or  
Recessed Board or misc  
Lensboard Adapters

#### FOLDED DIMENSIONS:

12 x 9 x 5"  
(304 x 228 x 127mm)

#### WEIGHT:

VX125/VX125b:  
5.5 lbs. (2.5kg)  
VX125R: 5.9 lbs. (2.7kg)

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# TOYO

## 810 GII 8x10 SYSTEM

VIEW CAMERAS

222

*The largest of all Toyo G Modular system cameras, the heavy-duty, pro black matte finished 810 GII has a wider range of movements than all other G models. It offers precision geared focus, rise and shift. The 810 GII is a fully modular multiformat camera system, where the 8x10 camera can easily be converted to 5x7", 4x5" and 2x3". Universal and format related components and accessories are interchangeable, creating a comprehensive system which grows with your professional needs.*



Toyo 810 GII Camera (180-226)

### FEATURES

- Heavy duty modular system studio camera with precise geared focus rise and shift
- Convertible to 2x3", 4x5", or 5x7" by adding reducing board and groundglass back
- Rack and pinion micro fine focusing on front and rear
- Independent locks on all movements
- Heavy duty back with Easyload Dual Dampened Bail Arms
- Center tilt maintains focus as you tilt
- All-metal rubber covered GX control knobs
- Time proven "U" frame design
- Compatible with many Toyo accessories
- Holds up well to strenuous use in the studio
- Interchangeable 39mm ø monorails
- Micro fine rack and pinion focusing
- Reversible 8x10 back
- Pro black matte finish
- Dual axis spirit levels

810 GII Pro Camera  
180-226 (116)

Consists of:

Heavy duty back with Easyload Dual Dampened Bail Arms, Toyo acid etched grid groundglass, quick release mounting block with 3/8" tripod sockets, 250mm basic monorail, 250mm extension monorail, standard bellows, and a predrilled #0 lensboard.

Item # TO810G2 .....4,859.50

### 810 GII SPECIFICATIONS

#### TILTS

Front 80°, Rear 100°

#### SWINGS

Front 60°, Rear 60°

#### RISE & FALL

Front 5.7" (145mm),  
Rear 6.7" (170mm)

#### LATERAL SHIFT

Front 2.8" (70mm),  
Rear 4.7" (120mm)

#### CAMERA BACK:

International Standard  
Vertical/Horizontal  
8x10 Back

#### FOCUSING SCREEN:

Grid Groundglass 8x10

#### INTERCHANGEABLE

BELLOWS:

Yes

#### MINIMUM EXTENSION:

3.3" (85mm)  
with Standard Board

1.8" (45mm)  
with Recessed Board

#### MAXIMUM EXTENSION:

19.7" (500mm)

#### MONORAIL LENGTH:

9.8x9.8" (250x250mm)

#### YAW-FREE:

Convertible at Factory

#### LENSBOARD:

Toyo 158x158mm Flat or  
Recessed Board, or misc  
Lensboard Adapters

#### FOLDED DIMENSIONS:

11.5 x 18.5 x 16.8"  
(291 x 471 x 427mm)

#### WEIGHT:

19.6 lbs. (8.9kg)

Subject to change without notice

Overnight Shipping Available



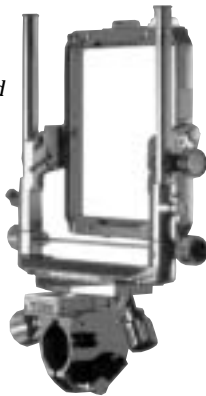
### BODY ACCESSORIES

#### Front Standards

**Front Standard G** (180-857; 8303)  
Sturdy, rigid aluminum die cast frame for heavy duty work. For C, F, G, GB and GII 4x5", 5x7" and 8x10" cameras. (Replacement.)  
**Item # TOSF45G .....1,124.95**

**Front Standard GX** (180-853; 10803)  
Same as above, plus Yaw-Free base axis tilt and enlarged rubber covered control knobs for GX 4x5", 5x7" and 8x10" cameras. (Replacement.)  
**Item # TOSF45GX.....1,349.95**

Front  
Standard  
G  
(8303)



#### Rear Standards

**Rear Standard 45GII** (180-858; 8304)  
For C, F, G, GB, GII 4x5 cameras. (Replacement for 45 GII.)  
**Item # TOSR45B.....1,124.95**

**Rear Standard 45 GX** (180-854; 10804)  
For 4x5 GX camera. Yaw-free base axis tilt and enlarged rubber covered control knobs. Also has built-in 1/8 stop calibrated depth-of-field calculator.  
**Item # TOSR45GX .....1,462.95**



**Rear Standard 57GII** (180-859; 8404)  
Rear standard for 5x7 G or GII cameras. Required when upgrading C, F, G, GB and GII 4x5 to 5x7.  
**Item # TOSR57B.....1,822.95**

**Rear Standard 810 GII** (180-860; 8504)  
Rear Standard for 8x10 G or GII. Required when upgrading C,F,G,GB and GII 4x5 or 5x7 camera to a larger 8x10 camera.  
**Item # TOSR810B.....2,879.95**

Rear Standard 810 GII (8504)

#### Intermediate Standard

**Intermediate Standard 4x5** (180-831; 8081)  
Chrome frame used to connect two bellows (4x5 to 4x5, 4x5 to 5x7, or 4x5 to an 8x10) for extra long extension, as well as special effects applications, such as holding a beam splitter in front of the lens for front projection, or matte box effects. It also has rise, shift, swing and tilt.  
**Item # TOSIC.....458.50**



#### Bellows

##### 4x5 BELLOWS

**Standard Bellows 4x5** (180-690; 10102)  
For normal lenses. Standard with all 4x5 cameras. Extends to 16.5" (420mm). For C, F, G, GB, GII, GX and Robos cameras.  
**Item # TOBS45Q.....319.95**

**Long Wide Angle Bellows 4x5** (180-693; 11421)  
For 47mm to 150mm wide angle lenses. Extends to 12" (310mm). Fits C, F, G, GB, GII, GX and Robos cameras.  
**Item # TOBWA45.....369.00**

**Long Bellows 4x5** (180-692; 10122)  
For long lenses, or for macro photography. Extends to 30" (750mm). Fits C, F, G, GB, GII, GX and Robos cameras.  
**Item # TOBL45.....369.00**

**Long Wide Angle Bellow** (180-862; 12204)  
Jade green color for VX125.  
**Item # TOBWAGRVX125..499.95**

**Long Wide Angle Bellow** (180-697; 12302)  
Black color for VX125b.  
**Item # TOBWABVX125..499.95**

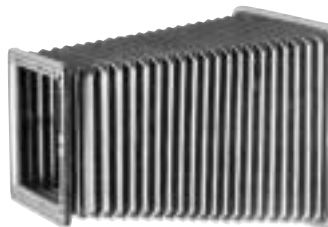
##### 5x7 BELLOWS

**Standard Bellows 5x7** (180-705; 8102)  
For normal lenses. Extends to 19.7" (500mm). For G, GB and GII cameras.  
**Item # TOBS57.....319.95**

**Wide Angle Bellows 5x7** (180-706; 8121)  
For 47mm to 210mm wide angle lenses. Fits G, GB and GII cameras.  
**Item # TOBWA57.....503.95**

**Long Bellows 5x7** (180-707; 8122)  
For long lenses, or for macro photography. Extends to 29.5" (750mm). Fits G, GB and GII cameras.  
**Item # TOBL57.....434.95**

Standard Bellows 5x7 (8102)



##### 8x10 BELLOWS

**Standard Bellows 8x10** (180-708; 11602)  
For normal lenses. Standard with all 8x10 cameras. Extends to 27.5" (700mm). Fits 810G, GB, GII, M and MII cameras.  
**Item # TOBS810.....562.50**

**Wide Angle Bellows 8x10** (180-709; 8221)  
For wide angle lenses 65mm to 240mm. Fits 810G, GB, GII, M and MII cameras.  
**Item # TOBWA810.....749.00**

**Long Bellows 8x10** (180-710; 8222)  
For long lenses, or for macro photography. Extends to 47.2" (1200mm). Fits 810G, GB and GII.  
**Item # TOBL810.....989.95**

Long Bellows 8x10 (8222)



# TOYO

## SYSTEM



### BODY ACCESSORIES, *continued*

#### Tripod Mounting Blocks and Plates

Toyo Tripod Mounting Blocks feature quick clamp fittings for easy removal and attachment of cameras to tripod.

##### 70mm Tripod Mounting Block (180-724; 8208)

Quick lock clamping 2.8" (70mm) long, with 3/8" socket. For 45G, GB, 810G, GB and GX. Can be used on 4x5 cameras, for stability with long extensions. (Replacement for 810 GX.)

**Item # TOTMB70.....224.95**

##### 54mm Tripod Mounting Block

(180-714; 8008)

Quick lock clamping 2.1" (54mm) long, with 1/4" and 3/8" socket. Fits 23G, 45C, D, E, F, G, GB, GII and GX.

(Replacement.)

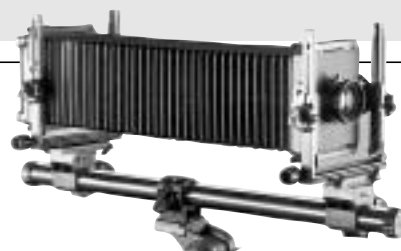
**Item # TOTMB54.....118.50**

##### Tripod Block 45D (180-720; 9008)

With 1/4" and 3/8" socket. Fits 45D, E and F. (Replacement for 45D.)

**Item # TOTMB45D.....78.95**

*Toyo 45C shown with a 500mm and 250mm Extension Rail on a 54mm Tripod Mounting Block (180-714)*



##### Compact Block VX125 (180-723; 12408)

With 1/4" socket. Fits VX125.

**Item # TOTMBCVX125.....179.95**

##### Anti-Twist Tripod Plate (180-748)

For 45AII.

**Item # TOATP45.....118.95**

##### Anti-Twist Tripod Plate (180-749)

For 810M II.

**Item # TOATP810M2 ....118.95**

#### Mono Rails

Toyo 39mm diameter mono-rails fit all monorail cameras. Robos rails offer unlimited extension by means of continuous additional sections. G-system monorails allow maximum extension of 1250mm with the addition of two extensions on each side of the base monorail. All monorails include rail caps or built-on caps, to protect the standards from accidentally falling off.

##### 250mm Fixed Monorail

(180-711; 8811)

Black finish. For working with wide angle lenses (to prevent interference of monorail in photograph). For C, D, E and F cameras.

**Item # TOMRF250B.....94.95**

##### 450mm Fixed Monorail

(180-716; 8810)

Black finish. For C, D, E and F cameras. (Replacement.)

**Item # TOMRF450B.....118.95**

##### 250mm GB Basic Rail

(180-743; 8301)

Black finish. Basic rail with two female ends (extensions can be added to both sides). Fits all cameras.

**Item # TOMRB250GB...183.95**

##### 250mm R/GX Basic Rail

(180-740; 10106)

Black finish. Basic rail with two female ends (extensions can be added to both sides). Standard with GX and Robos cameras.

**Item # TOMRB250R.....199.95**

##### 250mm GB Extension Rail

(180-744; 8311)

Black finish. With one male end for extension to G or GB basic rail; one female end to accept additional extension rails, as needed.

**Item # TOMRE250GB...183.95**

##### 150mm GB Extension Rail

(180-746; 8313)

Black finish. With one male end for extension to G or GB basic rail; one female end to accept additional extension rails, as needed. 150mm extension.

**Item # TOMRE150GB...183.95**

##### 500mm GB Extension Rail

(180-745; 8312)

Same as the above extension rail, in black finish, with 500mm extension.

**Item # TOMRE500GBB....293.50**

##### 150mm R/GX

Extension Rail (180-742; 10115)

**Item # TOMRE150R.....199.95**

##### 250mm R/GX

Extension Rail (180-741; 10107)

**Item # TOMRE250R.....199.95**

##### 125mm Basic Rail

VX125 (180-751; 12406)

**Item # TOMRBVX125...269.95**

##### Telescoping Rail

VX125 125-250mm

Extension (180-750; 12206)

**Item # TOMRTVX125..1199.95**

#### Camera Backs

Camera backs are standard with all cameras. However, when format conversion or format reducing is desired, a camera back must be purchased.

Product Number	Format cm	Back Design All backs are graflock type	Groundglass Grid with 6x7 and 6x9cm	Fresnel Lens	Easy Load Bail Arm	Fit Cameras and Reducing Adapters	Item #	B&H Price
180-820	4x5"	vertical/horizontal reversible	printed	optional	yes	all 4x5 Toyo	TOCBVH45	366.50
180-805	4x5	360° non-vignetting revolving back design	acid etched	included	yes	all 4x5 Toyo	TOCBR45	503.95
180-821	5x7"	vertical/horizontal reversible	acid etched	included	dual damper	57G, GB, GII	TOCB57	569.00
180-824	8x10"	vertical/horizontal reversible	acid etched	-	dual damper	810G, GB, GII, M, MII	TOCB810	944.95





### BODY ACCESSORIES, *continued*

#### Format Conversion Accessories

##### TO CONVERT TO LARGER FORMAT, ADD REAR FRAME, BELLOWS AND BACK

Camera Model	From Format	To Format	Add Rear Frame	Add Std. Bellows	Add Groundglass Back	Add Extension Rail for
23G	6x9cm	4x5"	180-858	180-690	180-805	+250mm
C,F,G,GB,GX	4x5"	5x7"	180-859	180-705	180-821	+500mm
C,F,G,GB,GX	4x5"	8x10"	180-860	180-708	180-824	+500mm
G,GB	5x7"	8x10"	180-860	180-708	180-824	-

##### TO CONVERT TO SMALLER FORMAT AND GET FULL MOVEMENTS

Camera Model	From Format	To Format	Add Rear Frame	Add Std. Bellows	Add Groundglass Back	Use Existing Rail
5x7 G,GB	5x7	4x5	180-858	180-690	180-805	✓
8x10 G,GB,GX	8x10	5x7	180-859	180-705	180-821	✓
8x10 G,GB,GX	8x10	4x5	180-858	180-690	180-805	✓

*For format reducing backs, see next page. For pricing of rear frame, bellows, backs and extension rails, see previous pages.*

#### Miscellaneous Body Accessories

**Infinity Stops for Field Cameras** (180-715; 1300)  
Fits 45A, AR, AII, 810M and MII.  
**Item # TOIS .....39.95**

**Dual Axis Spirit Level** (180-713; 8071)  
Single housing. Fits all view cameras. Includes mounting screws.  
**Item # TOSL.....43.50**



*Dual Axis  
Spirit Level  
(8071)*



### VIEWING ACCESSORIES

#### Fresnel Lenses

Offers a brighter viewing area for judging camera movements and focusing. It can easily be snapped into place over the groundglass.

**Fresnel Lens 2x3** (180-804; 216)  
Replacement for 23G and sliding backs.  
**Item # TOF23.....59.95**

**Fresnel Lens 4x5** (180-818; 212)  
Replacement for GII, GX, AII and Robos.  
**Item # TOF45.....112.50**

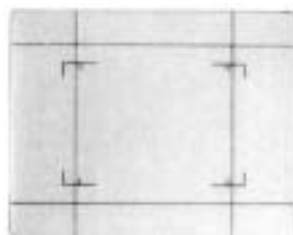
**Fresnel Lens Kit 4x5** (180-803; 9016)  
Kit with spacers. Fits 45D, C, E and F.  
**Item # TOF45K.....Disc.**

**Fresnel Lens 5x7** (180-816; 213)  
Fits G, GB and GII cameras.  
**Item # TOF57.....142.95**

#### Groundglass Screens

**Groundglass Screen 2x3** (180-802; 217)  
Acid etched grid lines. (Replacement for 23G and sliding backs.)  
**Item # TOGG23G .....36.95**

**Groundglass Screen 4x5**  
(180-814; 8015)  
Acid etched grid lines. (Replacement for GII, GX and AII.)  
**Item # TOGG45 .....54.50**



*Groundglass Screen  
(180-801)*

**Groundglass Screen 4x5**  
(180-801; 9615)  
Plain grid lines. (Replacement for 45D and 45C.)  
**Item # TOGGP45.....32.95**

**Groundglass Screen R45**  
(180-695; 10117)  
Acid etched grid lines. (Replacement for Robos 4x5.)  
**Item # TOGGR45.....59.50**

**Groundglass Screen 5x7**  
(180-815; 219)  
Acid etched grid lines. For 5x7 camera.  
**Item # TOGG57.....68.50**

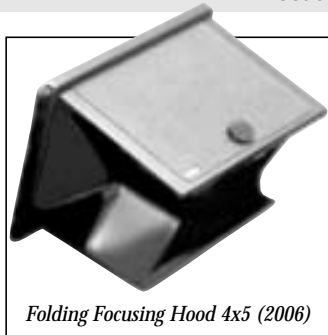
**Groundglass Screen 8x10**  
(180-817; 1815)  
Acid etched grid lines. For 8x10 cameras. (Replacement.)  
**Item # TOGG810 .....92.50**



### VIEWING ACCESSORIES, *continued*

#### Focusing Hoods

Folding focusing hoods are shaped like a foldable box that encloses the groundglass, blocking out light and eliminating the necessity of a focusing cloth. Folding focusing hoods can be spread outward for loupe focusing and are also used as groundglass protectors.



*Folding Focusing Hood 4x5 (2006)*

**Folding Focusing Hood 6x9** (180-810; 1039)  
Fits quick sliding adapters.  
**Item # TOHFSA.....118.95**

**Folding Focusing Hood 4x5** (180-808; 2006)  
Fits all Toyo 4x5 backs.  
Standard with 45A II cameras.  
**Item # TOHF45.....110.00**

**4x5 Balloon Focusing Hood** (180-841)  
Fits all Toyo 4x5 backs.  
**Item # TOFHB45.....296.95**

**Folding Focusing Hood 5x7** (180-822; 2206)  
Fits all Toyo 5x7 backs.  
**Item # TOHF57.....176.50**

Monocular focusing hoods are shaped like a chimney, blocking out light for focusing. They are built with a 1.5x magnification loupe.

**1.5x Monocular Hood 6x9**  
(180-811; 1040)  
Fits quick sliding adapters.  
**Item # TOMHSA.....176.50**

**1.5x Monocular Hood 4x5**  
(180-809; 1024)  
Flexible swing-away frame for critical focusing.  
**Item # TOMH45.....209.95**



*1.5x Monocular Hood 4x5 (1024)*

Binocular reflex hoods are used for right-side-up viewing. They feature a vertical/horizontal frame, an adjustable mirror angle to allow for right-side-up viewing and a 1.5x magnification loupe.

**Binocular Reflex Hood 4x5**  
(180-812; 1026)  
Fits all Toyo 4x5 cameras.  
**Item # TORHB45.....509.00**

**Binocular Reflex Hood 8x10**  
(180-813; 8226)  
Fits all Toyo 8x10 cameras.  
**Item # TORHB810.....1,099.00**

#### Magnifier and Focusing Cloth

**3.6x Groundglass Focusing Magnifier** (180-301)  
A powerful 3.6x magnifier with rubber base, rubber eyepiece (for eye glass wearers), coated optics and neck strap. Focal length of 60mm. Constructed of 2E2G optical glass.  
**Item # TOL.....39.95**

**Professional Focusing Cloth** (180-302)  
36x48" cloth, black on one side and white on reverse. White side can be used as reflector. Velcro fastener to fit around camera back. Constructed of heavy duty, washable Dupont polyester.  
**Item # TOFC3648.....44.50**



### BACK ACCESSORIES

#### Reducing Backs

**Reducing Adapter 8x10 to 4x5** (180-825; 1830)  
Reduces picture format from 8x10 to 4x5 without change of rear standard. Groundglass back (180-805) is required for focusing and mounting 4x5 film holders.  
**Item # TORA81045.....329.00**

**Reducing Adapter 8x10 to 5x7** (180-826; 1832)  
Reduces picture format from 8x10 to 5x7 without change of rear standard. Groundglass back (180-826) is required for focusing and mounting 5x7 film holders.  
**Item # TORA81057.....379.00**

**Reducing Adapter 5x7 to 4x5** (180-823; 1232)  
Reduces picture format from 5x7 to 4x5 without change of rear standard. Groundglass back (180-823) is required for focusing and mounting 4x5 film holders.  
**Item # TORA5745.....209.95**

*Reducing Adapter 8x10 to 4x5 (1830)*



#### TO REDUCE TO SMALLER FORMAT

Camera Model	From Format	To Format	Reducing Adapter	Add Groundglass Back
810 G,GB,GX,M	8x10"	4x5"	180-825	180-805
810 G,GB,GXM	8x10"	5x7"	180-826	180-821
57G,GB	5x7"	4x5"	180-823	180-805

*For format conversion, see previous page.*

#### Miscellaneous Back Accessories

**4" Extension Back 45A** (180-730; 1635)  
To get more movements with long focal lenses. Fits 45A, AR and AII.  
**Item # TOEB45A.....503.95**

**Protective Cover for 8x10 Back** (180-731; C051)  
(Replacement.)  
**Item # TOPC810.....41.95**





### BACK ACCESSORIES, *continued*

#### Rollfilm Holders

120 rollfilm holders ensure excellent film plane flatness. The film holders for 2x3 cameras fit onto all Toyo quick sliding carriage adapters, as well as directly onto the Toyo 23G and 6x9cm Graflock backs. The film holders for 4x5" cameras can be inserted into any standard 4x5" camera back without removal of the focusing frame, just as when using an ordinary cut film holder.

**6x7 Rollfilm Holder** (180-727; 8032)  
For 2x3. Fits 23G or quick sliding carriage.  
**Item # TOFB67120SA....499.95**

**6x9 Rollfilm Holder** (180-728; 8034)  
For 2x3. Fits 23G or quick sliding carriage.  
**Item # TOFB69120SA....499.95**



**6x7 Rollfilm Holder** (180-725; 8031)  
For 4x5.  
**Item # TOFB6712045 ....599.00**

**6x9 Rollfilm Holder** (180-726; 8033)  
For 4x5.  
**Item # TOFB6912045 ....599.00**

#### FILM HOLDER SPECIFICATIONS

	RFH67/45 (180-725)	RFH69/45 (180-726)	RFH67 (180-727)	RFH69 (180-728)
Applicable Film	120 rollfilm	120 rollfilm	120 rollfilm	120 rollfilm
Format	6x7cm	6x9cm	6x7cm	6x9cm
Exposures	10 exp	8 exp	10 exp	8 exp
Overall Dimensions	5x8.3x1.9" 128x211 x48mm	5x8.3x1.9" 128x211 x48mm	4.4x8.3x1.9" 113x211 x47mm	4.4x8.3x1.9" 113x211 x47mm
Weight	23.6oz 670g	23.6oz 670g	20oz 580g	20oz 580g

#### Cut Film Holders

Precision cut film holders for ultimate film flatness. Holds two sheets of film. Smooth, easy darkslide operation.

**4x5 Cut Film Holder Twin Pack** (180-903; 10141)  
**Item # TOFH45.....69.95**

**8x10 Cut Film Holder** (180-908; 1841)  
**Item # TOFH81.....119.95**

**4x5 Darkslide** (180-910)  
(Replacement for 4x5 Cut Film Holder.)  
**Item # TODSFH45.....11.95**

**8x10 Darkslide** (180-911)  
(Replacement for 8x10 Cut Film Holder.)  
**Item # TODSFH81.....22.95**

#### Digital Back Adapter and Quick Sliding Rollfilm Adapter

Digital and Quick Sliding Adapters have a carriage that slides a digital or a Graflock style 2x3 back with a groundglass in and out of place for fast change from groundglass focusing to shooting. Built-in darkslide engages when groundglass is in film plane. Both adapters fit directly onto all 4x5 cameras with international Graflock type backs.

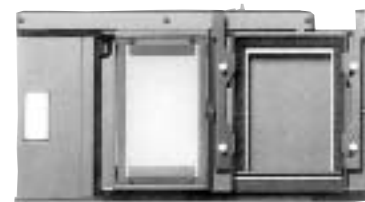
**Universal Graflock Sliding Adapter** (180-719; 1045)  
Accepts all 6x7 and 6x9cm Graflock type rollfilm backs, including Toyo 180-727 and 180-728, Mamiya RB67, Graflex, Horseman and Wista brands.

**Item # TOSFBAU.....652.50**

**Sliding Adapter for Kodak DCS465** (180-832)

Requires Kodak shutter adapter.

**Item # TOSAKDCS465 .....1,444.95**



Universal Graflock Sliding Adapter (180-719)



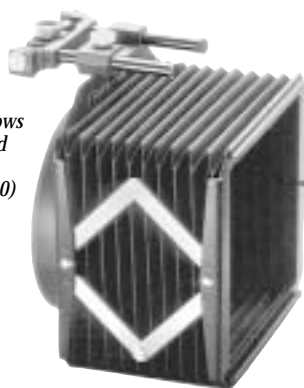
### FRONT ACCESSORIES

#### Bellows Hoods

Bellows Hoods offer flexible protection against flare in any lighting situation. Fully adjustable swing-away bracket, for use with any lens. Pro Bellows Hoods 180-623 and 180-626 have filter slots for gel filters.

**Pro Bellows Hood 4F** (180-623; 1660)  
With gel filter slots. Fits 45A, AII and 23G only.  
**Item # TOCHPF.....409.00**

Pro Bellows Hood VG (8060)



**Extension Rod Set for 4F** (180-604; 1662)  
For using Pro Hood with larger size lenses.  
**Item # TOERCHPF.....78.95**

**Gelatin Filter Holder Set for 4F** (180-609; 1663)  
Fits 3" and 4" square filters.  
**Item # TOFHSCHF.....16.95**

**Pro Bellows Hood VG** (180-626; 8060)  
With gel filter slot. Fits all cameras, except 45A, AII and 23G.  
**Item # TOCHPV.....459.00**

**Extension Rod Set for VG** (180-608; 8062)  
For using Pro Hood with larger size lenses.  
**Item # TOERCHPV.....83.95**

**Gelatin Filter Holder Set for VG** (180-610; 8063)  
Fits 3", 4" and 5" square filters.  
**Item # TOFHSCHV.....29.95**

**Bellows Lens Hood** (180-624; 8061)  
Without filter slot. Fits all cameras, except 45A, AII and 23G.  
**Item # TOCHV.....239.95**

# TOYO

## SYSTEM



### FRONT ACCESSORIES, continued

#### 110mm Lens Boards

4.3" (110mm) square. Fits the 45A, AR, AII, AX and 23G.

**Flat Blank Lensboard** (180-629)  
To be drilled by customer.  
**Item # TOLBBF.....44.95**

**Flat # 0 Lensboard** (180-621)  
**Item # TOLB0F.....59.95**

**Flat # 1 Lensboard** (180-622)  
**Item # TOLB1F.....59.95**

**Flat # 3 Lensboard** (180-618;1601)  
**Item # TOLB3F.....89.95**

**45mm Recessed Blank Lensboard** (180-630)  
For wide angle lenses.  
**Item # TOLBRBF.....68.50**

**45mm Recessed # 0 Lensboard** (180-639)  
For wide angle lenses.  
**Item # TOLBR0F.....79.95**

**12.5mm Recessed # 0 Lensboard** (180-640; 12040)  
For wide angle lenses.  
**Item # TOLBR120F.....78.95**

#### 110mm Adapter Board

**Linhof to Toyo Adapter Board** (180-635; 1631)  
Fits Linhof mounted lenses onto adapter board.  
**Item # TOLBALF.....147.50**

#### 158mm Adapter Boards

**Toyo 110mm to Toyo 158mm Adapter Board** (180-631; 1052)  
Fits 45A, AR, AII and 23G mounted lenses onto adapter board.  
**Item # TOLBAFV.....162.50**

**Toyo 110mm to Toyo 158mm Wide Angle Adapter Board** (180-632; 1057)  
Fits 45A, AR, AII and 23G mounted lenses onto wide angle adapter board.  
**Item # TOLBAFRV.....209.95**

**Linhof to Toyo 158mm Adapter Board** (180-628; 1051)  
Fits Linhof or Wista mounted lenses onto adapter board.  
**Item # TOLBALV.....162.50**

**Linhof to Toyo 158mm Wide Angle Adapter Board** (180-627; 1056)  
Fits Linhof or Wista mounted lenses onto wide angle adapter board.  
**Item # TOLBALRV.....209.95**

**Sinar to Toyo 158mm Adapter Board** (180-607; 8054)  
Fits Sinar or Horseman 104mm lenses onto adapter board.  
**Item # TOLBASV.....162.50**

**Graphic to Toyo 158mm Adapter Board** (180-605; 1050)  
Fits graphic mounted lenses onto adapter board.  
**Item # TOLBAGV.....162.50**

#### LENSBOARD ADAPTERS

Adapt From Lens Mounted On	To Toyo Camera Models	Flat Adapter	Wide Angle Adapter
Toyo 45A, 45AR, 23G 110mm Sq. Flat Board	45C, D,E,F,G,GB,GII,57G,GB,GII 810G, GB, GII, GX, 810M, MII, ROBOS	180-631	180-632
Linhof or Wista	Same as Above	180-628	180-627
Sinar or Horseman View	Same as Above	180-607	
Graphic	Same as Above	180-605	
Linhof or Wista	Toyo 45A, AII, 23G	180-635	
Graphic	Toyo 45A, AII, 23G	180-636	

#### 158mm Lens Boards

6.2" (158mm) square.  
Fits all Toyo cameras except the 45A, AR, AII and 23G.

**Flat # 0 Lensboard** (180-601)  
**Item # TOLB0V.....54.95**

**Flat # 1 Lensboard** (180-599)  
**Item # TOLB1V.....54.95**

**Flat # 3 Lensboard** (180-600)  
**Item # TOLB3V.....54.95**

**Recessed # 1 Lensboard** (180-619)  
For wide angle lenses.  
**Item # TOLBR1V.....69.95**

**Recessed # 3 Lensboard** (180-620)  
For wide angle lenses.  
**Item # TOLBR3V.....69.95**

**Recessed # 0 Lensboard** (180-602)  
For wide angle lenses.  
**Item # TOLBR0V.....69.95**

#### Misc. Lens Boards and Accessories

**# 0 Graphic Flat Lensboard** (180-637; 5081)  
Fits Graflex and Graphic cameras.  
**Item # TOLB0G.....44.95**

**Blank Linhof Flat Lensboard** (180-638; 117)  
Fits Linhof and Wista cameras.  
**Item # TOLBBL.....49.50**

**Lens Mounting Wrench** (180-625; 4511)  
For mounting and dismounting lenses with #0 and #1 shutters on any lensboard.  
**Item # TOLMW.....11.95**

**Angle Cable Release Adapter** (180-641)  
For #0 shutters.  
**Item # TOCRAA0.....78.95**

**Angle Cable Release Adapter** (180-642)  
For #1 shutters.  
**Item # TOCRAA1.....78.95**



### CASES

#### CASES SPECIFICATIONS

	FITS CAMERAS	COMPARTMENTS	DIMENSIONS	WEIGHT	PRODUCT #	ITEM #	B&H PRICE
Aluminum Compact Case	45A, 45AR, 45AII	2 Sides for Accessories	18 x 7 x 10.75" (45.7 x 17.7 x 27.3cm)	7lbs (3.2kg)	180-887	TOCCA45F	389.00
Aluminum Carry Case	4x5 C, D, E, F, G, GB, GII	2 Sides for Accessories	22.5 x 12 x 16.5" (57.2 x 30.4 x 41.9cm)	16lbs (7.3kg)	180-905	TOCCA45C	319.95
Aluminum Carry Case	45GX	1 Side for Accessories	20.5 x 12 x 19.5" (52 x 30.4 x 49.5cm)	16lbs (7.3kg)	180-886	TOCCA45GX	469.00
Aluminum Carry Case	810M, MII	Attache Style	17 x 17 x 8" (43.2 x 43.2 x 20.3cm)	12lbs (5.4kg)	180-883	TOCCA810F	434.95
Aluminum Carry Case	810G, GB, GII	2 Sides for Accessories	22.5 x 12.75 x 22" (57.2 x 32.4 x 55.9cm)	22lbs (10kg)	180-885	TOCCA810V	719.95



Aluminum Carry Case (180-905)





# The Professional Photo SourceBook

## Section 4

### Large Format Lenses

Introduction .....	230-232
Nikon .....	233-235
Rodenstock .....	236-239
Schneider .....	240-243
Heliopan Center Filters .....	242
Wisner .....	244

# LARGE FORMAT LENSES

## INTRODUCTION

All large format camera lenses are designed to be used with all photographic films.

### Image Circle

The size of the circular image that lenses project is called the image circle. It is large enough to surround, or cover, the frame of the final image on the film. If you take a lens intended for 35mm film and use it with a larger-sized film, its covering power will not be extensive enough. As a result, vignetting, which is the darkening of the image's corners, will occur. In a situation in which the covering power is extremely inadequate, a darkened circle appears around the image. Conversely, using a lens from a large-format camera on a smaller camera works, because there is more than enough coverage. (This is what happened when you visualize a 90mm lens covering both 4x5" and 35mm film).

Photographers who use 35mm or medium-format lenses are not very concerned with covering power, because they almost always shoot with lenses designed specifically for their cameras, or at least the same camera format. As such, ample coverage is built-in. With cameras that call for larger sheet-film sizes, however, the situation is quite different. Because mounting large-format lenses on any large-format camera is relatively easy, the lenses might be required to cover 4x5" film with one camera and 8x10" film, which obviously is twice as big, with another. Consequently, photographers must know if a particular lens has enough covering power. Manufacturer specifications, which include a lens' angle of coverage and image circle and are based on the lens being set at f/16 or f/22 and focused at infinity, indicate whether or not the lens has enough covering power to actually project an image over a specific film size. (Also, see Lens Table for diagonal millimeter, for minimum image circle required without any movement.)

### Angle of Coverage

This is a measure of the entire image circle of the lens. Do not confuse this with the angle of view. The angle of coverage simply refers to the image-forming cone of a lens. This tends to be similar for a number of different focal lengths that are made from the same basic lens design. Take, for example, the Schneider Super



Angulon series. Almost every lens in this group has an angle of coverage of either 100° or 105° and focal lengths ranging from 65mm to 210mm. All of these lenses are considered wide-angle, and each focal length is designed for a specific format. The 65mm lens is intended for use with 4x5" film; the 210mm lens, with 8x10" film. These lens-and-film format combinations provide wide angles of view of approximately 86° and 61°, respectively.

As mentioned earlier, the image circle refers to the area that produces sharp images. Once again, the size of the image circle is determined by the specific lens design. Furthermore, each film format has its own minimum requirement for coverage. For example, 4x5" film needs 161mm, and, fittingly enough, 8x10" calls for twice as much, or 323mm. But these are just minimal figures, required when the lens axis is aligned with the center of the film, as with 35mm and medium-format cameras. Large-format cameras, however, are designed to move their lenses and film in relation to one another. This feature enables photographers to correct for the various apparent distortions which are produced when they take photographs from certain angles or perspectives. As a result, when the lens is moved off-axis from the center of the film plane, a larger circle is needed to cover the film. Consequently, a 150mm lens, which is considered a normal focal length for the 4x5" format, has an image circle approximately between 210mm and 225mm. This is much larger than the minimum of 150mm high-modulation, or extended coverage. Lenses have even larger image circles, ranging from 150mm to 255mm for extreme camera movements.

## Normal Lens

The term “normal lens” applies to all cameras and formats, and means that the lens is neither wide-angle nor telephoto, but has a “normal angle of view”. The usual way of determining the normal focal length for a given format is to measure the diagonal of the negative.

The choice of focal length is largely a matter of personal preference. One photographer may prefer a 210mm lens for a portrait, another photographer may use a 300mm lens for the same kind of photograph.

The choice of focal length can be determined by the desired photographic effect. For instance, there is no law that says a wide-angle lens must be used for architecture only. Excellent still life photographs can be made with short focal length lenses to force perspective and give the illusion of extreme depth.

Longer focal length lenses require more bellows extension to focus than shorter focal length lenses. A bellows extension, the same focal length as the lens, is needed to focus at infinity (exception: telephoto formula lenses).

An excellent general purpose focal length for 4x5” view cameras is 210mm, because it will allow complete camera movements and can be used for most portrait, commercial and still life applications.



## Leaf Shutter of Large Format Lenses

Since large-format cameras use lenses of various makes, they generally do not come equipped with shutters of their own. Consequently, since the shutter is limited to the type of shutter which can be used inside of a lens, leaf shutters are generally used.

## Types of Leaf Shutters

### ***Mechanical Shutter***

This type is generally used in large format cameras, and all parts are mechanically operated. They are usually operated in the following manner:

1. Set the shutter release.
2. Check the focus by pressing the focus lever to open the shutter leaves.
3. Close the shutter, and press the shutter release button.

### ***Electronic Shutter***

Electronic shutters operate in the same manner as mechanical shutters. However, with these, the shutter speed is controlled electronically, and for this reason, high precision shutter response is needed, especially for long exposures. They are consequently equipped with long shutter speeds of up to 32 seconds.

### ***Press Shutter***

This is a mechanically operated shutter. However, since there is no need to set the shutter release, it offers excellent operability. Unfortunately, these shutters do not have fast shutter speeds and are, therefore, not very effective for photographing fast moving subjects. Also, since the lens cannot be stopped down when the shutter is open, there is a problem with photographing commercial subjects, as it is impossible to check the depth of field. For these reasons, its main uses are in photographic equipment (CRT cameras, etc.) used in measuring instruments.

## Basic guide to 4x5” view camera focal lengths:

GENERAL PURPOSE:	180mm, 210mm, 240mm
PORTRAITURE:	240mm, 300mm
PRODUCT AND STILL LIFE:	210mm, 240mm, 300mm
ARCHITECTURAL INTERIORS, EXTERIORS AND WIDE ANGLE:	90mm, 75mm, 65mm
SHORT FOCAL LENGTH SEMI WIDE-ANGLE:	150mm, 135mm



# LARGE FORMAT LENSES

## INTRODUCTION

### Leaf Shutter Categories By Size

In order to provide mounting adaptability and matching to the specific lens sizes, leaf shutters are made available in various sizes. The standards for size are

determined by the maximum diameter of the shutter. The shutters presently available in large format lenses are listed below.

#### Shutter Data

Shutter Type	Size	Shutter Speeds	Manual Cocking Shutter	Self Cocking Shutter	Mechanical Speed Control	Electronic Speed Control	x-synced Speed Control	Screw Thread	Lensboard Open
Copal 0	0	B, T, 1/500 s...1s	✓	-	✓	-	✓	32.5x0.5mm	34.8mm
Copal 1	1	B, T, 1/500 s...1s	✓	-	✓	-	✓	39x0.75mm	41.8mm
Copal 3	3	B, T, 1/200 s...1s	✓	-	✓	-	✓	62x0.75mm	65.3mm
Compur 0	0	B, 1/500 s...1s	✓	-	✓	-	✓	32.5x0.5mm	34.8mm
Compur 1	1	B, 1/500 s...1s	✓	-	✓	-	✓	39x0.75mm	41.8mm
Compur 3	3	B, 1/250 s...1s	✓	-	✓	-	✓	62x0.75mm	65.3mm
Prontor Pro 01S	0	B, 1/250 s...1s	-	✓	✓	-	✓	39x0.75mm	41.8mm
Prontor Pro 1S	1	B, 1/250 s...1s	-	✓	✓	-	✓	39x0.75mm	41.8mm
Prontor Pro 3	3	B, 1/125 s...1s	-	✓	✓	-	✓	62x0.75mm	65.3mm

### Types of Shutter Retaining Rings

A shutter retaining ring is used on the back of the shutter in order to use large-format lenses with cameras of different brands, and boards are available for using large-format cameras with lenses of various types and brands. Consequently, the shutter retaining ring is needed to affix the lens to the lens board. The shutter retaining ring is selected on the basis of shutter size (#0, #1, etc.) and is affixed to the shutter when the lens is purchased. The ring is always attached to the shutter of the lens.

### Retaining Ring

View cameras, press cameras and field cameras almost always feature metal or wood lens boards. These can be attached by the retaining ring provided on lenses.

### Types of Lens Boards

Lens boards are available so that various types of lenses can be fitted to different makes of large-format cameras. These lens boards are available in different types, depending on the camera size, its functional capability, structure and lens shutter size.

### Lenses Listed

In the following pages, we have lenses listed with the most common copal mechanical shutter supplied by the lens manufacturer. Lenses in Prontor Professional can be special ordered.

#### Comparative Table of Format Size and Focal Length

Format	Diagonal	Focal Length (mm)																		
		18	21	22	25	28	32	37	43	45	52	60	65	73	85	90	105	120	135	150
35mm	43mm	18	21	22	25	28	32	37	43	45	52	60	65	73	85	90	105	120	135	150
6x6cm (2½ x 2¼")	80mm	33	39	41	46	54	58	67	75	80	95	110	120	135	150	165	190	220	240	270
6x7cm (2½ x 1½")	90mm	37	43	45	50	60	65	75	85	90	105	120	135	150	165	180	210	240	270	300
6x9cm (2½ x 3¾")	100mm	42	48	52	58	65	75	90	100	105	120	135	150	170	180	210	240	270	300	340
6x12cm (2½ x 4¾")	125mm	53	60	65	75	85	90	105	120	135	150	180	195	210	240	260	300	340	380	430
4x5"	150mm	65	75	80	90	105	120	135	150	165	180	210	240	260	300	320	370	420	470	530
5x7"	210mm	90	105	110	125	150	160	180	210	240	260	300	330	350	400	440	500	570	640	720
8x10"	300mm	130	150	160	180	210	240	270	300	330	360	420	480	520	600	640	740	850	940	1050

Example: A 180mm lens used on a 4x5" format is the equivalent to a 52mm on a 35mm format



# NIKON

## SW SERIES in Copal Shutter

*Features wide covering power and a wide image circle. Maximum apertures of f/4 and f/4.5 assure fast and pinpoint focusing and bright images, corner to corner. Covering power can be extended to 105°/106° by stopping the lens down. SW series lenses deliver high contrast and resolution, reduced flare and excellent color rendition, due to Nikon Integrated Coating and strict control of aberrations. SW series lenses with a maximum aperture of f/8 are compact and well compensated for distortion.*

Nikkor SW 65mm f/4 (1341)  
Item # NI654SW .....**1,069.95**

Nikkor SW 75mm f/4.5 (1343)  
Item # NI7545SW .....**1,219.95**

Nikkor SW 90mm f/4.5 (1345)  
Item # NI9045SW .....**1,319.95**

Nikkor SW 90mm f/8 (1344)  
Item # NI908SW .....**839.95**



Nikkor  
SW  
90mm  
f/4.5  
(1345)

Nikkor SW 120mm f/8 (1346)  
Item # NI1208SW .....**1,119.95**

Nikkor SW 150mm f/8 (1351)  
Item # NI1508SW .....**2,199.95**

### SPECIFICATIONS OF SW SERIES LENSES

Lens	65mm	75mm	90mm	90mm	120mm	150mm
Aperture Range f	4-45	4.5-4.5	4.5-4.5	8-64	8-64	8-64
Shutter Type	Copal 0	Copal 0	Copal 0	Copal 0	Copal 0	Copal 1
Maximum Recommended Film Format (In.)	4x5	4x5	5x7	5x7	8x10	10x12
Angle of Coverage	105° (f/16)	106° (f/16)	105° (f/16)	105° (f/22)	105° (f/22)	106° (f/22)
Image Circle	170mm (f/16)	200mm (f/16)	235mm (f/16)	235mm (f/22)	213mm (f/22)	400mm (f/22)
Filter Size Ø	67mm	67mm	82mm	67mm	77mm	95mm

Subject to change without notice

## W SERIES in Copal Shutter

*Covering power of the W series Nikkors is an ample 70-73° when stopped down. Lens construction of six elements in four groups in the series gives these lenses an outstanding degree of freedom from distortion, field curvature and chromatic aberration. And Nikon Integrated Coating assures high contrast and overall faithful color rendition. The W series lenses are recommended for a variety of subjects, including landscapes, portraiture, architecture and table-top photography.*



Nikkor W 180mm f/5.6 (1316)  
Item # NI18056W .....**634.95**

Nikkor W 210mm f/5.6 (1318)  
Item # NI21056W .....**674.95**

Nikkor W 105mm f/5.6 (1309)  
Item # NI10556W .....**499.95**

Nikkor W 240mm f/5.6 (1319)  
Item # NI24056W .....**1,199.95**

Nikkor W 135mm f/5.6 (1312)  
Item # NI13556W .....**579.95**

Nikkor W 300mm f/5.6 (1320)  
Item # NI30056W .....**1,559.95**

Nikkor W 150 f/5.6 (1314)  
Item # NI15056W .....**549.95**

Nikkor W 360mm f/6.5 (1327)  
Item # NI36065W .....**1,659.95**

### SPECIFICATIONS OF W SERIES LENSES

Lens	105mm	135mm	150mm	180mm	210mm	240mm	300mm	360mm
Aperture Range f	5-45	5.6-64	5.6-64	5.6-64	5.6-64	5.6-64	5.6-64	6.5-64
Shutter Type	Copal 0	Copal 0	Copal 0	Copal 1	Copal 1	Copal 3	Copal 3	Copal 3
Maximum Recommended Film Format (In.)	4x5	4x5	5x7	5x7	6½x8½	8x10	10x12	11x14
Angle of Coverage at f/22	73°	73°	70°	70°	70°	70°	70°	69°
Image Circle at f/22	155mm	200mm	210mm	253mm	295mm	336mm	420mm	494mm
Filter Size Ø	52mm	52mm	52mm	67mm	67mm	82mm	95mm	95mm

Subject to change without notice

## T SERIES ED in Copal Shutter

*Lenses in the T-series are telephoto-type lenses which do not require long-length camera bellows. To maximize correction of chromatic aberration inherent in long focal length lenses, Nikon's performance-proven ED (extra-low dispersion) glass was used for the first time for lenses for large-format cameras. Image distortion and curvature are also extremely minimized. Combined with Nikon Integrated Coating, the result is outstandingly sharp images, free from flare and ghosts. Lens magnification can be changed with replacement of the rear element.*

Nikkor T 270mm f/6.3 ED (1352)  
Item # NI27063EDT .1,469.95

Nikkor T 360mm f/8 ED (1353)  
Item # NI3608EDT ...1,899.95

Nikkor T 500mm f/11 ED (1354)  
Item # NI50011EDT .1,969.95

Nikkor T 600mm f/9 ED (1355)  
Item # NI6009EDT ...2,499.95

Nikkor T 720mm f/16 ED (1357)  
Item # NI72016EDT .2,109.95

Nikkor T 800mm f/12 ED (1356)  
Item # NI80012EDT .2,929.95

Nikkor T 1200mm  
f/18 ED (1364)  
Item # NI120018EDT...3,099.95



Nikkor T 800mm f/12 ED (1356)

### SPECIFICATIONS OF T SERIES LENSES

Lens	270mm	360mm	500mm	600mm	720mm	800mm	1200mm
Aperture Range f	6.3-64	8-64	11-64	9-64	16-64	12-64	18-64
Shutter Type	Copal 1	Copal 1	Copal 1	Copal 3	Copal 1	Copal 3	Copal 3
Maximum Recommended Film Format (In.)	4x5	5x7	5x7	8x10	5x7	8x10	8x10
Angle of Coverage	33°	33°	24°	29°	17°	22°	15°
Image Circle	160mm	210mm	210mm	310mm	210mm	310mm	310mm
Filter Size Ø	67mm	67mm	67mm	95mm	67mm	95mm	95mm

Subject to change without notice

## T SERIES Rear Elements

*Because the rear lens component is interchangeable between the 300mm, 500mm and 720mm; and between the 600mm, 800mm and 1200mm, existing lenses can be converted by just purchasing a rear lens unit and mounting it in place of existing rear lens, with superb cost savings. (See diagram.)*

Rear Lens Unit  
360mm T ED (1358)  
Item # NIRLU360.....489.95

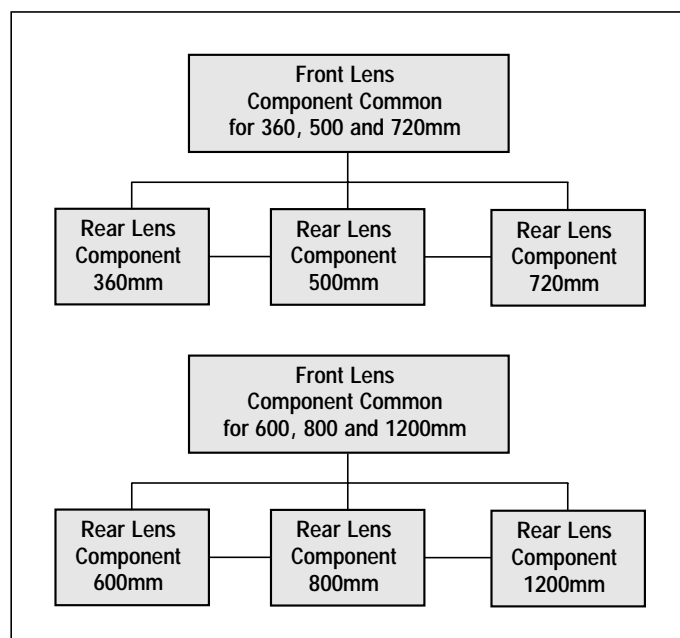
Rear Lens Unit  
500mm T ED (1359)  
Item # NIRLU500.....569.95

Rear Lens Unit  
600mm T ED (1360)  
Item # NIRLU600.....639.95

Rear Lens Unit  
720mm T ED (1362)  
Item # NIRLU720.....709.95

Rear Lens Unit  
800mm T ED (1361)  
Item # NIRLU800.....739.95

Rear Lens Unit  
1200mm T ED (1363)  
Item # NIRLU1200.....949.95



## APO MACRO SERIES ED in Copal Shutter

*The AM (Apo Macro) lenses are exclusively designed for macro photography and provide outstanding performance at 1:1 reproduction. ED (Extra-low Dispersion) glass reduces chromatic aberration at all settings, and completely symmetrical lens construction ensures that the lens is 100% free of distortion and lateral chromatic aberration at 1:1 magnification.*

Nikkor AM 120mm f/5.6 ED (1325) Item # NI12056EDAM..1,079.95  
Nikkor AM 210mm f/5.6 ED (1326) Item # NI21056EDAM..2,299.95

### SPECIFICATIONS OF MACRO ED SERIES LENSES

Lens	120mm	210mm
Aperture Range f/	5.6-45	5.6-64
Shutter Type	Copal 0	Copal 1
Maximum Recommended Film Format (In.)	5x7	10x12
Angle of Coverage at f/22	55°	51°
Image Circle at f/22	250mm	400mm (1:1)
Filter Size Ø	52mm	67mm

Subject to change without notice

## M SERIES in Copal Shutter

*The M Series lenses are characterized by standard covering power and faithful reproduction of subtle variations in color and shading. They are versatile enough to provide consistent performance from close distance to infinity. Chromatic aberration is virtually eliminated over the entire visible portion of the spectrum, and other aberrations are corrected. Integrated coating is applied to each M Series lens to assure high resolution and contrast.*

### SPECIFICATIONS OF M SERIES LENSES

Lens	200mm	300mm	450mm
Aperture Range f/	8-64	9-128	9-128
Shutter Type	Copal 0	Copal 1	Copal 3
Maximum Recommended Film Format (In.)	5x7	8x10	10x12
Angle of Coverage at f/22	55°	57°	52°
Image Circle at f/22	210mm	325mm	440mm
Filter Size Ø	52mm	52mm	67mm

Subject to change without notice

Nikkor M 200mm f/8 (1322) Item # NI2008M.....609.95  
Nikkor M 300mm f/9 (1321) Item # NI3009M.....689.95  
Nikkor M 450mm f/9 (1323) Item # NI4509M.....1,199.95



Nikkor M  
200mm f/8  
(1322)

Nikkor M  
450mm f/9  
(1323)

### Lens Caps

Slip-On Lens Cap 31.5mm (1337) Replacement. Item # NILC31.5 .....9.50	Slip-On Lens Cap 70mm (1333) Replacement. Item # NILC70 .....8.95
Slip-On Lens Cap 42mm (1330) Item # NILC42 .....7.50	Slip-On Lens Cap 80mm (1334) Replacement. Item # NILC80 .....9.95
Slip-On Lens Cap 54mm (1331) Replacement. Item # NILC54 .....7.50	Slip-On Lens Cap 85mm (1335) Replacement. Item # NILC85 .....9.95
Slip-On Lens Cap 60mm (1332) Replacement. Item # NILC60 .....8.95	Slip-On Lens Cap 100mm (1336) Replacement. Item # NILC100 .....14.50
Screw-On Lens Cap 58mm (1339) For rear lens unit. Replacement. Item # NILC58RLU .....24.95	

# RODENSTOCK

## APO AND GRANDAGON N in Copal Shutter

LARGE FORMAT LENSES

236

*The Grandagon N, with its super wide angle of coverage, becomes useful when covering extensive interiors in cramped conditions, in architectural and panoramic photography. Distortion is reduced, the light all-off towards the edges is substantially eliminated and the design assures that high definition is accomplished. There are 6 elements in 4 groups on 6.8 lenses, and 8 elements in 4 groups on the 4.5 lenses.*

APO Grandagon N 35mm f/4.5 (160300)  
Item # RO3545AG .....1429.95

APO Grandagon N 45mm f/4.5 (160301)  
Item # RO4545AG .....1,169.95

APO Grandagon N 55mm f/4.5 (160302)  
Item # RO5545AG .....1,269.95

Grandagon N 65mm f/4.5 (160499)  
Item # RO6545GN.....1,199.00

Grandagon N 75mm f/4.5 (160502)  
Item # RO7545GN.....1,295.00

Grandagon N 75mm f/6.8 (160501)  
Item # RO7568GN.....849.00

Grandagon N 90mm f/4.5 (160504)  
Item # RO9045GN.....1,539.00

Grandagon N 90mm f/6.8 (160503)  
Item # RO9068GN.....919.00

Grandagon N 115mm f/6.8 (160505)  
Item # RO11568GN.....1,595.00

Grandagon N 155mm f/6.8 (160506)  
Item # RO15568GN.....3,299.00

Grandagon N 200mm f/6.8 (160507)  
Item # RO20068GN.....4,499.00

### SPECIFICATIONS OF GRANDAGON N SERIES LENSES

Lens	35mm	45mm	55mm	65mm	75mm	75mm	90mm	90mm	115mm	155mm	200mm
Aperture Range f/	4.5-22	4.5-32	4.5-45	4.5-45	4.5-45	6.8-45	4.5-45	6.8-45	6.8-45	6.8-45	6.8-64
Shutter Type	Copal 0	Copal 0	Copal 0	Copal 0	Copal 0	Copal 0	Copal 1	Copal 0	Copal 1	Copal 1	Copal 3
Maximum Recommended Film Format (In.)	4x5"	4x5"	4x5"	4x5"	4x5"	4x5"	5x7"	4x5"	5x7"	8x10"	8x10"
Angle of Coverage at f/22:	120°	110°	110°	105°	105°	102°	105°	102°	104°	102°	102°
Image Circle at f/22:	125mm	131mm	163mm	170mm	195mm	187mm	236mm	221mm	291mm	382mm	495mm
Filter Size Ø	67mm	58mm	67mm	58mm	67mm	58mm	82mm	67mm	82mm	105mm	135mm

Subject to change without notice

## APO SIRONAR N in Copal Shutter

*The APO-Sironar-N, with 6 elements in 4 groups, is an all-around lens. Good for product shots, industrial subjects, landscape and city photography, it provides a longer focus lens with smaller formats. Monorail view cameras permit almost unlimited extension (especially with extension bellows). Therefore, optically problematic tele lenses are no longer needed; their short construction length only provides advantages for fixed cameras. The image circle diameter exceeds the diagonal of the recommended format by around 45%, allowing abundant shift and swing possibilities.*

APO Sironar N 100mm f/5.6 (160601)  
Item # RO10056ASN....499.00

APO Sironar N 135mm f/5.6 (160602)  
Item # RO13556ASN....539.00

APO Sironar N 150mm f/5.6 (160603)  
Item # RO15056ASN....559.00

APO Sironar N 180mm f/5.6 (160604)  
Item # RO18056ASN....739.00

APO Sironar N 210mm f/5.6 (160605)  
Item # RO21056ASN.....829.00

APO Sironar N 240mm f/5.6 (160606)  
Item # RO24056ASN..1,349.00

APO Sironar N 300mm f/5.6 (160607)  
Item # RO30056ASN..1,849.00

APO Sironar N 360mm f/6.8 (160608)  
Item # RO36068ASN..2,195.00

APO Sironar N 480mm f/8.4 (160609)  
Item # RO48084ASN..3,164.50

### SPECIFICATIONS OF APO SIRONAR N LENSES

Lens	100mm	135mm	150mm	180mm	210mm	240mm	300mm	360mm	480mm
Aperture Range f/:	5.6-64	5.6-64	5.6-64	5.6-64	5.6-64	5.6-64	5.6-64	6.8-64	8.4-90
Shutter Type	Copal 0	Copal 0	Copal 0	Copal 1	Copal 1	Copal 3	Copal 3	Copal 3	Copal 3
Maximum Recommended Film Format (In.)	2 1/4x3 1/4"	4x5"	5x7"	5x7"	5x7"	8x10"	8x10"	8x10"	8x10"
Angle of Coverage at f/22:	72°	72°	72°	72°	72°	72°	72°	64°	56°
Image Circle at f/22:	151mm	200mm	214mm	262mm	301mm	350mm	425mm	435mm	500mm
Filter Size Ø	40.5mm	40.5mm	49mm	58mm	67mm	77mm	86mm	105mm	112mm

Subject to change without notice

**All items are complete with all accessories as supplied by the manufacturer**



# RODENSTOCK

## APO SIRONAR S in Copal Shutter

*The APO-Sironar-S, a universal lens with 6 elements in 4 groups, is constructed with ED (extra-low dispersion) glass, which has been modified to provide the highest image reproduction quality. Like the APO-Sironar-N, its applications are practically limitless. The angle of view has been increased to 75° to permit more shift, which permits applications that require large parallel shifts to correct the perspective optical design.*

APO Sironar S 135mm f/5.6 (160701)  
Item # RO13556ASS .....**699.00**



APO Sironar S 240mm f/5.6 (160705)

APO Sironar S 150mm f/5.6 (160702)  
Item # RO15056ASS .....**749.00**

APO Sironar S 180mm f/5.6 (160703)  
Item # RO18056ASS .....**879.00**

APO Sironar S 210mm f/5.6 (160704)  
Item # RO21056ASS .....**989.00**

APO Sironar S 240mm f/5.6 (160705)  
Item # RO24056ASS .....**1,729.00**

APO Sironar S 300mm f/5.6 (160706)  
Item # RO30056ASS .....**2,389.00**

APO Sironar S 360mm f/6.8 (160707)  
Item # RO36068ASS .....**3,094.50**

### SPECIFICATIONS OF APO SIRONAR S LENSES

Lens	135mm	150mm	180mm	210mm	240mm	300mm	360mm
Aperture Range f/	5.6-64	5.6-64	5.6-64	5.6-64	5.6-64	5.6-64	6.8-64
Shutter Type	Copal 0	Copal 0	Copal 1	Copal 1	Copal 3	Copal 3	Copal 3
Maximum Recommended Film Format (In.)	4x5"	4x5"	5x7"	5x7"	5x7"	8x10"	8x10"
Angle of Coverage at f/22:	75°	75°	75°	75°	75°	75°	68°
Image Circle at f/22:	208mm	231mm	276mm	316mm	372mm	448mm	468mm
Filter Size Ø	49mm	49mm	62mm	72mm	86mm	100mm	112mm

Subject to change without notice

## APO SIRONAR W in Copal Shutter

*The APO Sironar-W, with 7 elements in 5 groups, has an 80° angle of view and can also be used as a wide-angle. Image reproduction has been improved, particularly at the edge with the ED (extra-low dispersion) glass material. Exceptionally low distortion is another feature particularly beneficial for the architectural or product photographer.*

### SPECIFICATIONS OF APO SIRONAR W LENSES

Lens	150mm	210mm	300mm
Aperture Range f/	5.6-45	5.6-64	5.6-64
Shutter Type	Copal 1	Copal 3	Copal 3
Maximum Recommended Film Format (In.)	5x7"	8x10"	8x10"
Angle of Coverage at f/22	80°	80°	80°
Image Circle at f/22	252mm	352mm	490mm
Filter Size Ø	70mm	100mm	127mm

Subject to change without notice



APO Sironar W 210mm f/5.6 (160811)

APO Sironar W 210mm f/5.6 (160811)  
Item # RO21056ASW .....**1,799.00**

APO Sironar W 300mm f/5.6 (160812)  
Item # RO30056ASW .....**3,499.00**

LARGE FORMAT LENSES

237



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# RODENSTOCK

## APO MAKRO SIRONAR N LENSES in Copal Shutter

LARGE FORMAT LENSES

238

The image quality of lenses designed for long distances drops visibly at close range for scales of around 1:1. Compared with the performance of top lenses at medium to long distances, there are noticeable shortcomings from around 1:3 onwards. This is where the special Makro-Sironar-N with an optical design of 6 elements in 4 groups, fits in. The front and rear components are removable and interchangeable. In its normal configuration, the lens yields excellent definition at reproduction scales between about 1:3 and 1:1. With the elements interchanged, the optical system yields the same optimum definition in the range from 1:1 and 3:1. Memory and symbols on each side of the mount indicate the scale range for each configuration.

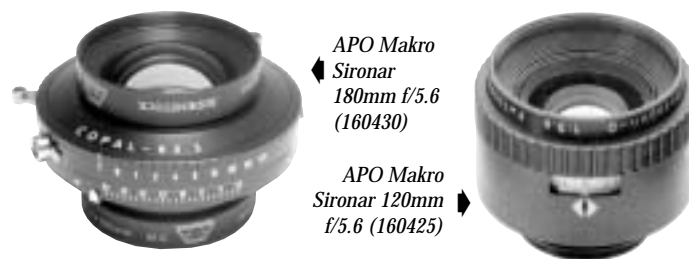
Makro Sironar  
120mm f/5.6 (160425)  
Item # RO12056AMS.....1204.50

APO Makro Sironar  
180mm f/5.6 (160430)  
Item # RO18056AMS.....1,469.00

### SPECIFICATIONS OF APO MAKRO SIRONAR N LENSES

Lens	120	180mm
Aperture Range f/	5.6-64	5.6-64
Shutter Type	Copal 0	Copal 1
Maximum Recommended Film Format (In.)	4x5"	5x7"
Angle of Coverage at f/22 at 1:1	60°	—
Image Circle at f/22 at 1:1	277mm	415mm
Filter Size (both elements) Ø	49mm	67mm

Subject to change without notice



## APO RONAR in Copal Shutter

The scope of these Classic Process, 4 elements in 4 group lenses, with their outstanding definition, goes far beyond processing and product shots. With an image circle of 48°, they are first class long focal telephoto lenses. These lenses can also be used for close-ups. Though ideally corrected for 1:1 reproduction, the Apo-Ronar lenses maintains their image quality, even at high reductions (distance range) or magnification. The apo-chromatic correction keeps even high contrast outlines free from color fringing.



Apo Ronar 150mm f/9 (160450)  
Item # RO1509AR.....669.00

Apo Ronar 240mm f/9 (160451)  
Item # RO2409AR....1,129.95

Apo Ronar 300mm f/9 (160452)  
Item # RO3009AR....1,231.95

Apo Ronar 360mm f/9 (160453)  
Item # RO3609AR....1,499.00

Apo Ronar 480mm f/9 (160454)  
Item # RO4809AR....2,236.50

### SPECIFICATIONS OF APO RONAR LENSES

Lens	150mm	240mm	300mm	360mm	480mm
Aperture Range f/	9-64	9-90	9-90	9-90	9-90
Shutter Type	Copal 0	Copal 1	Copal 1	Copal 3	Copal 3
Maximum Recommended Film Format (In.)	2½x2½"	4x5"	5x7"	5x7"	8x10"
Angle of Coverage at f/22:	48°	48°	48°	48°	46°
Image Circle at f/22:	135mm	212mm	264mm	318mm	396mm
Filter Size Ø	40.5mm	49mm	49mm	58mm	67mm

Subject to change without notice

Most Orders Shipped Within 24 Hours

# RODENSTOCK

## IMAGON SOFT FOCUS in Copal Shutter

*High quality lenses yield sharp, crisp images. In portraiture, a softer shot is desired. The Imagon lenses do not produce the blurred images known from incorrect focusing or poor quality lenses. It rather overlays a clearly defined image core with delicate diffusion, controlled by adjustable push-on perforated diaphragms. By spreading highlight outlines into the shadows, the Imagon softens the hard definition, yielding portrait or landscape effects that range from a slightly flattering rendering to dreamy, romantic moods. Optical design: 2 elements in one group.*

IMAGON LENSES ARE ALSO AVAILABLE IN BARREL  
FOR USE WITH ROLLEI, MAMIYA,  
PENTAX AND BRONICA TL CAMERAS

Imagon H 200mm f/5.8 (160480)  
With 3 adjustable soft focus  
discs, 4x neutral density filter  
and lens shade.

Item # RO20058IH....1,659.95

Imagon H 250mm f/5.8 (160481)  
With 3 adjustable soft focus  
discs, 4x neutral density filter  
and lens shade.

Item # RO25058IH....1,729.95

Imagon H 300mm f/6.8 (160482)

With 3 adjustable soft focus discs, 4x neutral density filter  
and lens shade.

Item # RO30068IH.....1,696.95



### SPECIFICATIONS OF IMAGON SOFT FOCUS LENSES

Lens	200mm	250mm	300mm
Aperture Range with discs	5.8-11.5	5.8-11.5	6.8-11.5
Shutter Type	Copal 3	Copal 3	Copal 3
Maximum Recommended Film Format (In.)	2 1/4 x 2 1/4"	4x5"	5x7"
Image Circle at 11.5:	150mm	180mm	220mm
Filter Size Ø	55mm slip-on	55mm slip-on	55mm slip-on

Subject to change without notice

## CENTER FILTERS for Grandagon N

### Center Filter for Uniform Image Field Illumination

*Center filters are neutral gray, concentric graduated filters which have high density at the center and are transparent at the rim. The course of the density is selected so that the light fall-off of the image circle will be compensated at f/16. As a result of the working aperture, you will have a uniform image field illumination. They require an exposure correction of 2 f-stops.*

*For critical shots, the geometric light fall-off toward the edges can be eliminated with the Center filters which are available for all Grandagon-N lenses.*

58mm Center Filter (170001)

Item # ROCF58 ...359.95

67mm Center Filter (170002)

Item # ROCF67 .....529.95



For more center filters, see  
Heliopan on page 232.



67mm Center Filter 4x (170000)  
For APO Grandagon.

Item # ROCF67AG.....529.95

82mm Center Filter (170003)

Item # ROCF82 .....799.00

105mm Center Filter (170004)

Item # ROCF105 .....1,039.00

135mm Center Filter (170005)

Item # ROCF135 .....1,269.00



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# SCHNEIDER

## SUPER ANGULON

LARGE FORMAT LENSES

240

*Wide-angle lenses for interiors, small rooms or tall buildings. Multi-coated, 105°-100° angle of coverage features large image circle. Optical design on maximum f/5.6 lenses is 8 elements in 4 groups, and 6 elements in 4 groups on f/8 lenses.*

Super Angulon  
47mm f/5.6 (02037130)  
Item # SC4756SAC.....**982.00**

Super Angulon  
75mm f/5.6 (02013848)  
Item # SC7556SAC.....**1,269.00**

Super Angulon  
90mm f/8 (02010913)  
Item # SC908SAC.....**949.00**

Super Angulon  
165mm f/8 (02014116)  
Item # SC1658SAC.....**3,234.00**

Super Angulon  
65mm f/5.6 (02013844)  
Item # SC6556SAC.....**1,199.00**

Super Angulon  
90mm f/5.6 (02018921)  
Item # SC9056SAC.....**1,409.00**

Super Angulon  
120mm f/8 (02010907)  
Item # SC1208SAC.....**1,386.00**

Super Angulon  
210mm f/8 (02010371)  
Item # SC2108SAC.....**5,195.00**

### SPECIFICATIONS OF SUPER ANGULON LENSES

Lens	47mm	65mm	75mm	90mm	90mm	120mm	165mm	210mm
Aperture Range f/	5.6-32	5.6-45	5.6-45	5.6-45	8-45	8-64	8-64	8-90
Shutter Type	Copal 0	Copal 0	Copal 0	Copal 0	Copal 0	Copal 0	Copal 3	Copal 3
Maximum Recommended Film Format (In.)	2½x3½"	4x5"	4x5"	5x7"	5x7"	5x7"	10x12"	11x14"
Angle of Coverage at f/22:	105°	105°	105°	105°	100°	100°	100°	100°
Image Circle at f/22:	123mm	170mm	198mm	235mm	216mm	288mm	395mm	500mm
Filter Size Ø	52mm EW	67mm EW	67mm EW	82mm EW	67mm EW	82mm EW	110mm EW	127mm EW

Subject to change without notice

Please note: EW=Extra Wide

## SUPER ANGULON XL

*An architectural photographer's dream that offers flexibility with its minimum 110° angle of coverage, high resolution and contrast. Optical design: 8 elements in 4 groups.*

Super Angulon XL  
47mm f/5.6 (02025044)  
Item # SC4756SAXLC.....**1,328.00**

Super Angulon XL  
72mm f/5.6 (02025587)  
Item # SC7256SAXLC.....**1,444.00**

Super Angulon XL 58mm f/5.6 (02016819)  
Item # SC5856SAXLC.....**1,144.00**

Super Angulon XL 90mm f/5.6 (02016823)  
Item # SC9056SAXLC.....**1,559.00**



### SPECIFICATIONS OF SUPER ANGULON XL LENSES

Lens	47mm	58mm	72mm	90mm
Aperture Range f/	5.6-32	5.6-32	5.6-45	5.6-45
Shutter Type	Copal 0	Copal 0	Copal 0	Copal 0
Maximum Recommended Film Format (In.)	4x5"	4x5"	5x7"	5x7"
Angle of Coverage at f/22:	120°	110°	115°	110°
Image Circle at f/22:	166mm	166mm	226mm	259mm
Filter Size Ø	67mm EW	67mm EW	95mm EW	95mm EW

Subject to change without notice

**Equipment Leasing Available**



# SCHNEIDER

## SUPER SYMMAR HM LENSES

*Designed for wide-angle, with 80° at f/22, optimized at infinity. Shorter than normal focal length lenses, with adequate covering power.*  
*Optical design: 8 elements in 6 groups.*

Super Symmar-HM  
 120mm f/5.6 (01039771)

Item #  
 SC12056SSHMC ....1,269.00

Super Symmar-HM  
 150mm f/5.6 (01039520)

Item #  
 SC15056SSHMC..1,652.00

Super Symmar-HM  
 210mm f/5.6 (01039522)

Item #  
 SC21056SSHMC..2,656.00



LARGE FORMAT LENSES

241

### SPECIFICATIONS OF SUPER SYMMAR HM LENSES

Lens	120mm	150mm	210mm
Aperture Range f/ with discs	5.6-64	5.6-64	5.6-64
Shutter Type	Copal 0	Copal 1	Copal 3
Maximum Recommended Film Format (in.)	4x5"	5x7"	8x10"
Angle of Coverage at f/22:	82°	80°	80°
Image Circle at f/22:	211mm	254mm	356mm
Filter Size Ø	67mm EW	77mm EW	100mm EW

Subject to change without notice

## APO SYMMAR LENSES

*A true apo-chromatic line of lenses, optimized for 1:10 to infinity reproduction. By use of special type of glass, a reduction of the secondary spectrum is achieved, leading to clear improvement in image quality. These lenses are for serious tabletop, portrait and landscape photographers. Optical design: 6 elements in 4 groups.*

Apo-Symmar 100mm f/5.6 (01010187)  
 Item # SC10056ASC.....624.00

Apo-Symmar 150mm f/5.6 (01037880)  
 Item # SC15056ASC.....669.00

Apo-Symmar 210mm f/5.6 (01039835)  
 Item # SC21056ASC.....949.00

Apo-Symmar 300mm f/5.6 (01010231)  
 Item # SC30056ASC.....2,069.00

Apo-Symmar 120mm f/5.6 (01014490)  
 Item # SC12056ASC.....652.00

Apo-Symmar 180mm f/5.6 (01010210)  
 Item # SC18056ASC.....866.00

Apo-Symmar 240mm f/5.6 (01010222)  
 Item # SC24056ASC.....1,559.00

Apo-Symmar 360mm f/6.8 (01010238)  
 Item # SC36068ASC.....2,299.00

Apo-Symmar 135mm f/5.6 (01010199)  
 Item # SC13556ASC.....669.00

Apo-Symmar 480mm f/8.4 (01010738)  
 Item # SC48084ASC.....2,889.00

### SPECIFICATIONS OF APO SYMMAR LENSES

Lens	100mm	120mm	135mm	150mm	180mm	210mm	240mm	300mm	360mm	480mm
Aperture Range f/ with discs	5.6-64	5.6-64	5.6-64	5.6-64	5.6-64	5.6-64	5.6-64	6.8-64	8.4-64	8.4-64
Shutter Type	Copal 0	Copal 0	Copal 0	Copal 0	Copal 0	Copal 0	Copal 3	Copal 3	Copal 3	Copal 3
Maximum Recommended Film Format (in.)	2½x3½"	4x5"	4x5"	4x5"	5x7"	5x7"	8x10"	8x10"	11x14	11x14
Angle of Coverage at f/22:	72°	72°	72°	72°	72°	72°	72°	72°	70°	56°
Image Circle at f/22:	145mm	179mm	195mm	220mm	263mm	305mm	352mm	425mm	491mm	500mm
Filter Size Ø	40.5mm	49mm	49mm	58mm	58mm	72mm	77mm	105mm	112mm	105mm

Subject to change without notice



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# SCHNEIDER

## G CLARON LENSES

LARGE FORMAT LENSES

242

*For tabletop or macro photography. They offer apo-chromatic correction and flat field design. Optical design: 6 elements in 4 groups.*

G Claron 150mm f/9 (34039011)  
Item # SC1509GCC.....**519.00**

G Claron 210mm f/9 (34010403)  
Item # SC2109GCC.....**711.00**

G Claron 240mm f/9 (34037941)  
Item # SC2409GCC.....**764.00**

G Claron 270mm f/9 (34039067)  
Item # SC2709GCC.....**954.00**

G Claron 305mm f/9 (34037940)  
Item # SC3059GCC.....**954.00**

G Claron 355mm f/9 (34039006)  
Item # SC3559GCC .....**1,499.00**



### SPECIFICATIONS OF G CLARON LENSES

Lens	150mm	210mm	240mm	270mm	305mm	355mm
Aperture Range f/	9-64	9-64	9-64	9-64	9-64	9-64
Shutter Type	Copal 0	Copal 1	Copal 1	Copal 1	Copal 1	Copal 3
Maximum Recommended Film Format (In.)	4x5"	5x7"	5x7"	8x10"	8x10"	11x14"
Angle of Coverage at f/22:	64°	64°	64°	64°	64°	64°
Image Circle at f/22:	189mm	260mm	298mm	335mm	381mm	444mm
Filter Size ø	35.5mm	49mm	52mm	58mm	67mm	77mm

### SPECIFICATIONS OF G CLARON LENSES AT 1:1

Film Format (In.)	8x10"	11x14"	14x17"	16x20"	16x20"	20x24"
Image Circle at f/22:	385mm	520mm	598mm	669mm	763mm	887mm

*Subject to change without notice*

## HELIOPAN CENTER FILTERS

*To order, insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.*

### GRADUATED NEUTRAL DENSITY CENTER FILTER SPECIFICATIONS

FILTER	FRONT ACCESSORY SIZE	INCREASE MAXIMUM F-STOP	MFG #	ITEM #	PRICE
49mm ND Center Filter 3x	67mm	11/2	704951	HECF349	164.95
52mm ND Center Filter 3x	67mm	11/2	705251	HECF352	164.95
58mm ND Center Filter 3x	77mm	11/2	705251	HECF358	249.95
67mm ND Center Filter 3x	86mm	11/2	706751	HECF367	252.95
77mm ND Center Filter 3x	105mm	11/2	707751	HECF377	319.95
82mm ND Center Filter 3x	105mm	11/2	708251	HECF382	319.95
95mm ND Center Filter 3x	105mm	11/2	709551	HECF395	367.95
49mm ND Center Filter 8x	67mm	3	704952	HECF849	164.95
52mm ND Center Filter 8x	67mm	3	705252	HHECF852	164.95
67mm ND Center Filter 8x	86mm	3	706752	HECF867	252.95
77mm ND Center Filter 8x	105mm	3	707752	HECF877	319.95
95mm ND Center Filter 8x	105mm	3	709552	HECF895	367.95

*Subject to change without notice*

**We Exhibit at National and Regional Shows/Conventions**

# SCHNEIDER

## SUPER SYMMAR HM LENSES

*Designed for wide-angle, with 80° at f/22, optimized at infinity. Shorter than normal focal length lenses, with adequate covering power. Optical design: 8 elements in 6 groups.*

Super Symmar-HM 120mm f/5.6 (01039771)  
Item # SC12056SSHMC .....1,269.00

Super Symmar-HM 150mm f/5.6 (01039520)  
Item # SC15056SSHMC .....1,652.00

Super Symmar-HM 210mm f/5.6 (01039522)  
Item # SC21056SSHMC .....2,656.00

### SPECIFICATIONS OF SUPER SYMMAR HM LENSES

Lens	120mm	180mm	210mm
Aperture Range f/	5.6-64	5.6-64	5.6-64
Shutter Type	Copal 0	Copal 1	Copal 3
Maximum Recommended Film Format (in.)	4x5"	5x7"	8x10"
Angle of Coverage at f/22	82°	80°	80°
Image Circle at f/22	211mm	254mm	356mm
Filter Size Ø	67mm EW	77mm EW	100mm EW
Subject to change without notice			

## TELE-ARTON and APO-TELE XENAR HM LENSES

*For limited bellows draw, Apo-Tele Xenar offers the finest optical quality 5-element air spaced design, with a minimum focus of 6½ feet.*

Tele Arton 250mm f/5.6 (05014136)  
Item # SC25056TA .....1,386.00

APO Tele Xenar HM 400mm f/5.6 (05010541)  
Item # SC40056ATXHM .....4,510.00

APO Tele Xenar HM 800mm f/12 (05010543)  
Item # SC80012ATXHM .....7,590.00

### SPECIFICATIONS OF TELE-ARTON and APO-TELE XENAR HM LENSES

Lens	250mm	400mm	800mm
Aperture Range f/	9-90	9-90	11-128
Shutter Type	Copal 1	Copal 3	Copal 3
Maximum Recommended Film Format (in.)	4x5"	5x7"	11x14"
Angle of Coverage at f/22	35°	35°	35°
Image Circle at f/22	158mm	250mm	500mm
Filter Size Ø	67mm	100mm	135mm
Subject to change without notice			

## CENTER FILTERS FOR SUPER ANGULON LENSES

Center filters are neutral gray, concentric graduated filters which have high density at the center and are transparent at the rim. The course of the density is selected so that the light fall-off of the image circle will be compensated at f/16. As a result of the working aperture, you will have a uniform image field illumination. The Center filter requires an exposure correction of 2 f-stops.

For critical shots, the geometric light fall-off toward the edges can be eliminated with the Center filters which are available for all Super Angulon lenses. Additional filters can be screwed on in front of the center filter for greater effect.

49mm Center Filter (08039286)  
For 47mm f/5.6.  
(Size 2, old)  
Item # SCCF47SA49 .....281.95

52mm Center Filter (08016190)  
For 47mm f/5.6. (Size 2)  
Item # SCCF47SA52 .....281.95

67mm Center Filter (08010598)  
For 65mm f/5.6 and 75mm f/5.6. (Size 3)  
Item # SCCF65SA .....364.95

67mm Center Filter (08010590)  
For 58mm f/5.6 XL and 90mm f/8. (Size 3B)  
Item # SCCF58SAXL .....364.95

67mm Center Filter (08025637)  
For 47mm f/5.6 XL.  
(Size 3C)  
Item # SCCF47SAXL .....364.95

82mm Center Filter (08010599)  
For 90mm f/5.6 and 120mm f/8.  
(Size 4)  
Item # SCCF90SA .....474.95

95mm Center Filter (08010591)  
For 90mm f/5.6 XL. (Size 4A)  
Item # SCCF90SAXL .....499.95

95mm Center Filter (08025638)  
For 72mm f/5.6 XL. (Size 4B)  
Item # SCCF72SAXL .....499.95

110mm Center Filter (08010592)  
For 165mm f/8.  
(Size 5)  
Item # SCCF165SA .....1,079.95

127mm Center Filter (08010593)  
For 210mm f/8.  
(Size 6)  
Item # SCCF210SA .....1,139.95



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# WISNER

## CONVERTIBLE PLASMAT

*The Wisner Plasmal is a convertible lens system consisting of six single lens cells manufactured by Schneider Corporation exclusively to Wisner's requirements. These six single cells may be used singly, or they may be combined to form up to nineteen different focal lengths, from 250mm to 600mm. Convertible Plasmal lenses are duplicates of lenses manufactured by Carl Zeiss and Bausch and Lomb who produced the famous Protar lens, and they offer the same flexibility convenience and economy as the original Protar sets.*

*A yellow #15 filter is required when using black and white film. With color film, the zero power corrector is required to correct distortions, coma and lateral color (color fringing at the edges).*

Available with a non-cancelable 50% deposit only.  
Allow 4-6 weeks for delivery

**Plasmal 4x5 Set (5 Cells)**  
Consists of 2-250, 350, 400, 450, Copal #1 shutter marked in mm, and mahogany cell box engraved with focal length and f-stop table. 58mm filter size.  
**Item # WIPS45.....3,239.00**

**Plasmal 5x7 Set (5 Cells)**  
Consists of 250, 350, 400, 450, 500, Copal #1 shutter marked in mm, and mahogany cell box engraved with focal length and f-stop table. 58mm filter size.  
**Item # WIPS57.....3,636.95**

**Plasmal 8x10 Set (4 cells)**  
Consists of 350, 400, 450, 500, Copal #3 shutter marked in mm, and mahogany cell box engraved with focal length and f-stop table. 72mm filter size.  
**Item # WIPS810.....4,106.95**

**Yellow Filter #15**  
For 4x5 and 5x7.  
**Item # WI15P45.....84.95**

**Plasmal Master Set (6 Cells)**  
Consists of 250, 350, 400, 450, 500, 600, Copal #3 shutter marked in mm, and mahogany cell box engraved with focal length and f-stop table. 72mm filter size.  
**Item # WIPMS .....4,809.95**

**Zero Power Corrector**  
for Plasmal 4x5 set  
**Item # WIZPCP45.....649.95**

**Zero Power Corrector**  
for Plasmal 5x7 set  
**Item # WIZPCP57.....649.95**

**Zero Power Corrector**  
for Plasmal 8x10 set  
**Item # WIZPCP810.....649.95**

**Zero Power Corrector**  
for Plasmal Master set.  
**Item # WIZPCPM .....649.95**

**Yellow Filter #15**  
For 8x10 and Master Set.  
**Item # WI15P810.....84.95**

### SPECIFICATIONS OF PLASMAT LENSES

To Obtain Focal Length:	152mm	182mm	197mm	212mm	212mm	227mm	227mm	242mm
Use Front Plasmal	250	250	250	250	350	250	350	350
Use Rear Plasmal	250	350	400	450	350	500	400	450
Maximum Aperture f/	9.0	10.8	11.7	12.6	9.0	13.5	9.6	10.3
Angle of Coverage	64°	64°	64°	64°	64°	64°	64°	64°
Image Circle at f/22	215mm	258mm	280mm	301mm	301mm	323mm	323mm	344mm

To Obtain Focal Length:	242mm	250mm	258mm	258mm	273mm	273mm	288mm	288mm
Use Front Plasmal	400	—	350	400	400	450	350	450
Use Rear Plasmal	400	250	500	450	500	450	600	500
Maximum Aperture f/	9.0	13.0	10.9	9.6	10.1	9.0	12.2	9.5
Angle of Coverage	64°	60°	64°	64°	64°	64°	64°	64°
Image Circle at f/22	344mm	200mm	366mm	366mm	387mm	387mm	409mm	409mm

To Obtain Focal Length:	303mm	303mm	318mm	333mm	350mm	364mm	400mm	450mm	500mm	600mm
Use Front Plasmal	400	500	450	500	—	600	—	—	—	—
Use Rear Plasmal	600	500	600	600	350	600	400	450	500	600
Maximum Aperture f/	11.3	9.0	10.5	9.9	13.0	9.0	13.0	13.0	13.0	13.0
Angle of Coverage	64°	64°	64°	64°	60°	64°	60°	60°	60°	60°
Image Circle at f/22	430mm	430mm	452mm	473mm	280mm	516mm	320mm	360mm	400mm	480mm

Subject to change without notice

**Used Equipment Bought, Sold and Traded**





# The Professional Photo SourceBook

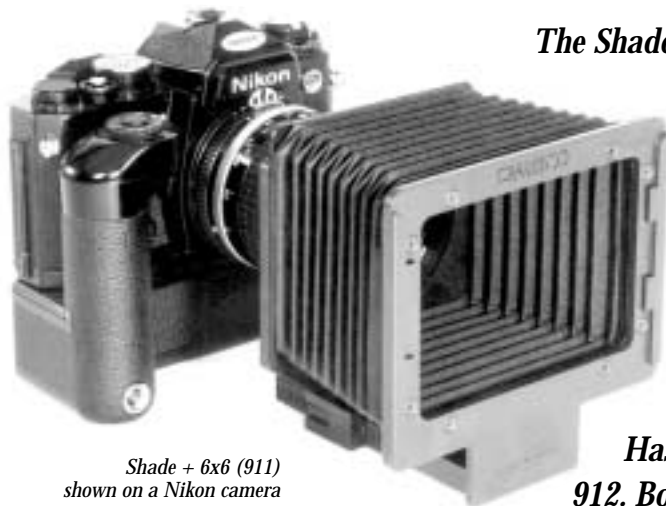
## Section 5

### ProAccessories

Pro Lens Hoods . . . . .	246-250, 253
Montagers & Vignettters . .	250-253
Brackets . . . . .	254-261
MF View Camera Converter . . .	261
Pouches, Wraps . . . . .	262-264
Lens Caps, Stack Caps . . . . .	265
Lens Hoods . . . . .	266
Stepping Rings . . . . .	267-272
Cleaning Supplies . . . . .	273-275
Focus Cloths, Changing Bags . .	276
Cables . . . . .	277
Film Backs . . . . .	278-281
Misc. Accessories . . . . .	282-283
Focusing Screens . . . . .	284-286
Shutters, Lensboards . . . . .	287
Extenders, Viewers . . . . .	288
Two-Way Radios . . . . .	289
Ladders . . . . .	290

# PRO LENS HOODS

A M B I C O S H A D E +



Shade + 6x6 (911)  
shown on a Nikon camera

*The Shade + is an adjustable lens shade for 35mm and 2¼ cameras. Bellows compress while slide track folds for portability while carrying. Made of high impact polycarbonate and anodized aluminum. Rear standard accepts any 3 x 3" material up to 1/16th" thick, front standard accepts 3½ x 4½" (model #911) and 4½ x 4½" (model #912) special masks and vignetter. 35mm cameras and 6x4.5cm Bronica, Mamiya and Pentax cameras accept model #911, while medium format 6x6 and 6x7cm cameras, including Hasselblad, Bronica, Mamiya, Pentax and Rollei accept model 912. Both Shade + are attached to lenses with adapters.*

**Shade + 35mm (911)**  
For 35mm and 6x4.5 cameras.  
Requires adapter ring.  
**Item # AMSP35.....49.95**

**Shade + 6x6 (912)**  
For 6x6 and 6x7 cameras.  
requires adapter ring.  
**Item # AMSP66.....54.95**

## Adapters

**49mm Adapter (949)**  
**Item # AMAR49SP.....12.95**

**Series 8 Adapter (908)**  
**Item # AMARS8SP.....19.95**

**52mm Adapter (952)**  
**Item # AMAR52SP.....12.95**

**Hasselblad Adapter Bay 50 (909)**  
**Item # AMARB50SP.....32.95**

**55mm Adapter (955)**  
**Item # AMAR55SP.....12.95**

**Hasselblad Adapter Bay 60 (910)**  
**Item # AMARB60SP.....48.50**

**58mm Adapter (958)**  
**Item # AMAR58SP.....12.95**

**75mm to 67mm Adapter (931)**  
Allows use of Cokin A Series (67x67mm) filters to be used in rear standard accepting 3x3" (75x75mm) material.  
**Item # AMFA7567SP.....19.50**

**62mm Adapter (962)**  
**Item # AMAR62SP.....12.95**

**67mm Adapter (967)**  
**Item # AMAR67SP.....12.95**

**72mm Adapter (972)**  
**Item # AMAR72SP.....12.95**

**77mm Adapter (977)**  
**Item # AMAR77SP.....12.95**

## Filter Set

Can be combined or used individually. Consists of rainbow, soft-focus and starburst filters.

**3x3 Filter Set (925)**  
Fits into rear standard.  
**Item # AMFSCSP.....18.95**

## Vignettters

Use special masks to create appealing vignettes of your subject. Each set consists of 8 vignettes of different openings. 4 brown plastic and 4 slightly fogged plastic.

**35mm Vignette Set (921)**  
3½ x 4½". Fits shade + 35mm.  
**Item # AMVSP35.....18.95**

**2¼ Vignette Set (922)**  
4½ x 4½". Fits shade + 6x6.  
**Item # AMVSP66.....18.95**

## Montage

For special effects with multiple exposures. Consists of 8 cutout masks, including center circle, star, cross, heart, corner cutouts, ovals, split field and one blank to design yourself.



**35mm Montage Set (923)**  
3½x4½". Fits shade + 35mm.  
**Item # AMMSP35.....18.95**

**2¼ Montage Set (924)**  
4½x4½". Fits shade + 6x6.  
**Item # AMMSP66.....18.95**

## Multiple Exposure

Use for simplicity in getting multiple exposure photos.

**35mm Multiple Exposure Set (928)**  
3½x4½". Fits shade + 35mm.  
**Item # AMMESSP35.....18.95**

**2¼ Multiple Exposure Set (929)**  
4½x4½". Fits shade + 6x6.  
**Item # AMMESSP66.....18.95**

## Holographic Filter Set

Rainbow-like filter for appealing highlights and special effects.

**Holographic Filter Set (930)**  
Fits into rear standard.  
**Item # AMFSHSP.....23.95**

## Filters

Light goes through plastic sheets to transfer color. Square holder.

**Acetate Filter and Holder (932)**  
Fits into rear standard.  
**Item # AMAHKSP.....23.95**

**Blank Masks, 35mm (933)**  
3½x4½". Fits shade + 35mm.  
**Item # AMMBSP35.....26.95**

**Blank Mask, 2¼ (934)**  
4½ x 4½". Fits shade + 6x6.  
**Item # AMMBSP66.....26.95**

# PRO LENS HOODS

## L I N D A H L B E L L - O - S H A D E

*The Bell-O-Shade is an adjustable pro lens hood that reduces flare and increases color saturation. It fits a number of cameras and most lenses from 35-105mm on 35mm format, 50-150mm on 6x6/6x7 format and 90-180mm on 6x7 format. The hood is constructed of a quality bellows and durable injection-molded ABS plastic. The Bell-O-Shade can be extended 2" to 6", allowing it to be used with a variety of different focal length lenses. Next to the lens is a 1/4" x 3" square slot to accommodate filters. The front standard accepts 4 1/2" square mounting masks or vignettes.*



**Bell-O-Shade Standard** (311320)  
With 4" extension rods.  
Requires size 8 adapter ring.  
**Item # LIBOS.....125.10**

**Bell-O-Shade Hasselblad CF** (311325)  
With 4" extension rods. Fits directly onto Hasselblad CF lenses using 60mm bayonet mount.  
**Item # LIBOSH.....140.40**

**Double Filter Slot Bell-O-Shade Standard** (311530)  
For portrait lenses. Same as Bell-O-Shade Standard, with two 3" square filter slots next to lens for diffusers and glass, gelatin, and small Cokin filters, and any self-made filters. Requires size 8 adapter ring.  
**Item # LIBOSDFS.....140.40**

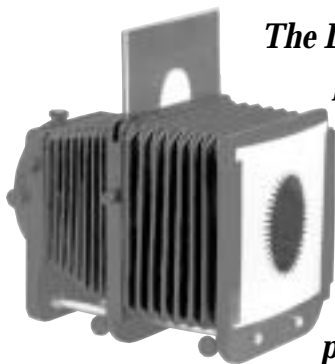
**Double Filter Slot Bell-O-Shade Hasselblad CF** (311535)  
Same as Bell-O-Shade Standard, with two 3" square slots next to lens. Fits directly onto any Hasselblad portrait lens using a 60mm bayonet mount.  
**Item # LIBOSDFS.....157.50**

### Replacement Rods

Replaces broken, bent or lost rods. Sold in packages of 2 only.

**4" Rods Pkg of 2** (441124)  
**Item # LIR4.....9.95**

## PROFESSIONAL VIGNETTER (DOUBLE BELLWS)



*The Double Bellows is used as a lens shade (which extends from 4" to 10"), and as a professional vignetter. The vignetting system has three standards for vignettes or filters. Next to the lens is a single (#43-1230, #43-1235) or double (#43-1240, #43-1245) 3" square slot for filters or diffusers. The center standard is for 4 1/2" glass "neutral-density" vignettes. Any vignetting device that may cause flare should be used here. The front standard is for 4 1/2" Hi-Key vignetting and double exposures. The front of the vignetter has metal plates which allow the use of convenient magnetic vignettes.*

**Double Bellows Standard** (431230)  
Adjustable bellows. With 2" and 4" rods. Requires size 8 adapter ring.  
**Item # LIVU .....241.20**

**Double Bellows Hasselblad CF** (431235)  
With 2" and 4" rods. Fits directly onto Hasselblad CF lenses using 60mm bayonet mount.  
**Item # LIVUH .....250.20**

**Double Bellows Standard with Double Filter Slot** (431240)  
With 2" and 4" rods. Same as Double Bellows Standard with two 3" square filter slots next to lens. Requires size 8 adapter ring.  
**Item # LIVUDFS.....261.10**

**Double Bellows Hasselblad with Double Filter Slot** (431245)  
With 2" and 4" rods. Same as Double Bellows Hasselblad, with two 3" square filter slots next to lens. Fits directly onto Hasselblad CF lenses using 60mm bayonet mount.  
**Item # LIVUDFSH.....277.20**

**Hasselblad CF lenses using 60mm bayonet.**  
**Item # LIVUDFSH.....277.20**

**Complete Vignetting System Standard** (431220)  
Same as Double Bellows Standard (#43-1230). Also includes four 4 1/2" Hi-Key vignettes (#43-1206) and four

**Complete Vignetting System Hasselblad** (431225)  
Same as Double Bellows Hasselblad (#43-1235). Also includes four 4 1/2" Hi-Key vignettes (#43-1206) and four 4 1/2" glass vignettes (#43-1205). Requires size 8 adapter ring.  
**Item # LIVSKH.....312.30**

### Replacement Rods

4 1/2" glass vignettes (#43-1205). Requires size 8 adapter ring.  
**Item # LIVSKS.....296.10**

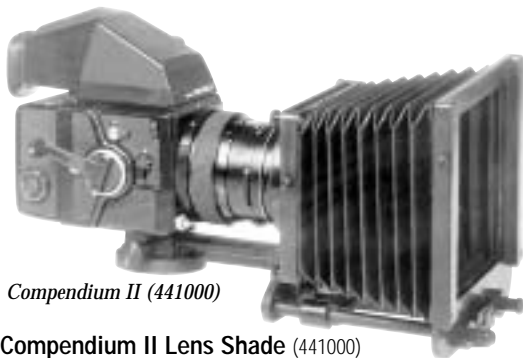


THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# PRO LENS HOODS

## LINDAHL COMPENDIUM II



*Compendium II (441000)*

### Compendium II Lens Shade (441000)

With a rear filter slot to hold a 4" filter, and a front filter slot to hold a 5½" filter, rack and adjustment knob, two 6" rods and rod holder plate. Requires size 9 adapter ring and base mounting hardware, each sold separately.

**Item # LIC2 .....199.95**

### Compendium II Wide Angle System (449910)

For use with wide angle lenses up to 90° diagonal. Requires size 9 adapter ring.

**Item # LIC2KWA .....219.95**

### Compendium II Telephoto System (449912)

For use with long telephoto and/or zoom lenses. Requires size 9 adapter ring.

**Item # LIC2KTQ .....219.95**

*Compendium II fits 120 and 35mm cameras, and offers offers improved features and a larger size to accommodate wide-angle lenses. All Compendium II's feature a single bellows designed to hold 4" filters next to the lens and a 5½" square front to allow use of wide angle lenses, and to hold vignettes or special effect devices.*

### Compendium II Portrait System (449911)

For use with portrait lenses. Requires size 9 adapter ring.

**Item # LIC2KP .....219.95**

### Compendium II Fuji GX 680 System (449917)

For use with Fuji GX 680 with 100-300mm lenses. Includes 82mm size 9 adapter ring.

**Item # LIC2KFGX .....243.95**

### Compendium II for Mamiya RZ-67

with 100-200 Zoom Lens and Auto Winder (449914)

Features a free-floating adapter ring mounting system. As the lens is zoomed or focused, the lens shade remains stationary. Since the weight is under the camera,, it provides easy zooming and focusing. Includes 77mm size 9 adapter ring.

**Item # LIC2KMRZZW .....278.95**

## LINDAHL COMPENDIUM II ACCESSORIES

### Auxiliary Bellows (442000)

Fits Compendium II. Adds auxiliary bellows and shades vignettes from flare. Attaches magnetically and can be removed for wide-angle work.

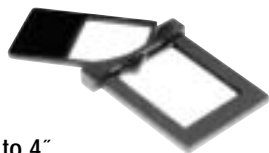
**Item # LIBAC2 .....93.50**

### 4½" to 5½"

### Vignette Converter (445110)

Allows use of 4½" vignettes in the Compendium II. Works with glass neutral-density vignettes.

**Item # LIC4.55.5 .....14.95**



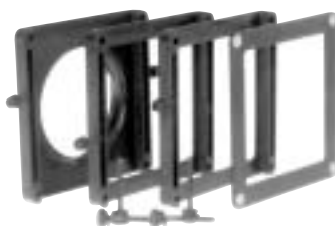
### 3" to 4"

### Filter Slot Converter (444110)

Allows the use of 3" filters in the Compendium II.

**Item # LIC34 .....11.95**

### Additional Filter Slot



Additional filter slots may be purchased to add on to the Compendium II Shade. You can add a second filter slot to use multiple filters at the same time. You can select a top or side filter slot opening when attaching this filter slot.

### Second Filter Slot

with Screws (441102)

**Item # LIFS2C2 .....15.95**

### Base Mounting Hardware

The Base Mounting Hardware is the link between your camera and your lens shade. It attaches to the camera and then to the rails of the Compendium II. Available in different lengths and styles to custom fit your camera and lens combinations.

### Short Mounting Hardware (441050)

Used with wide angle and normal focal length lenses.

**Item # LIMHSQ .....47.50**

### Medium Mounting Hardware (441051)

Used with portrait length lenses.

**Item # LIMHM .....47.50**

### Long Mounting

Hardware (441052)

Used with telephoto lenses.

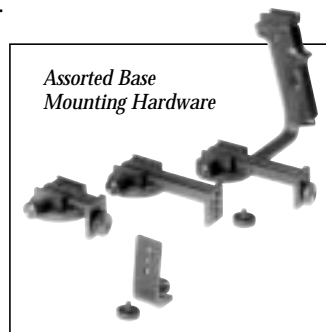
**Item # LIMHL .....47.50**

### Fuji GX-680

Mounting Hardware (441070)

**Item # LIMHFGX .....46.95**

*Assorted Base Mounting Hardware*



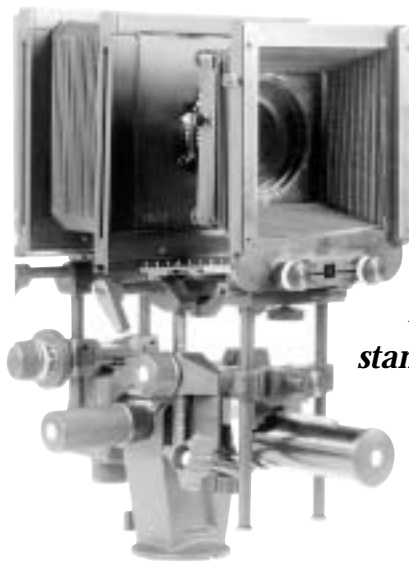
Mounting Hardware for Mamiya RZ-67 with 100-200 Zoom Lens with Auto Winder (441053)

**Item # LIMHMRZZ .....71.95**



# PRO LENS HOODS

## LINDAHL COMPENDIUM II LARGE FORMAT LENS SHADE



*An adjustable lens shade for large format view cameras that offers flexible positioning to eliminate unwanted light, and thus, unwanted lens flare. All Compendium II's feature a single bellows designed to hold 4" filters next to the lens, and a 5 1/2" square front to hold vignettes and/or special effect devices. Unlike other shades, the weight of the Compendium II is supported by uniquely designed mounting hardware that attaches to the rail of your camera. This "mini view camera standard" puts no stress on the lens filter threads or on the front standard. The adjustments on the mounting hardware allow your shade to rise and fall and shift with the lens as needed.*

Compendium II System for Sinar, Calumet, Plaubel and Toyo (449909)  
With mounting hardware and 4" gel holder. Requires size 9 adapter ring.

Item # LIC2KS .....264.50

## LINDAHL ADAPTER RINGS

### Size 8 Adapter Rings

Gives secure mounting and protection to lenses. These plastic rings are lightweight, and, if cross-threaded, will not damage the threads on lens. Size 8 rings are used with the Bell-O-Shade, Professional Vignetting System (double bellows), fixed montagers and hi-key vignetter.

49mm Threaded Adapter (111049) Item # LIAR49 .....14.40	58mm Threaded Adapter (111058) Item # LIAR58 .....14.40	72mm Threaded Adapter (111072) Item # LIAR72 .....19.95
52mm Threaded Adapter (111052) Item # LIAR52 .....14.40	62mm Threaded Adapter (111062) Item # LIAR62 .....14.40	77mm Threaded Adapter (111077) Item # LIAR77 .....19.95
55mm Threaded Adapter (111055) Item # LIAR55 .....14.40	67mm Threaded Adapter (111067) Item # LIAR67 .....14.40	Hasselblad C 50mm Adapter* (111001) Item # LIARHC.....21.95

\*Please note: Hasselblad CF (60mm) lenses require the CF version of the Bell-O-Shade products. CF versions can be used on non-CF Hasselblad lenses, as well as other cameras, with the proper adapter listed above.

### Size 9 Adapter Rings

Size 9 adapter rings are used with the Compendium II lens shade systems and Compendium II large format lens shade.

49mm Threaded Adapter (119049) Item # LIAR49C2.....27.95	62mm Threaded Adapter (119062) Item # LIAR62C2.....27.95	82mm Threaded Adapter (119082) Item # LIAR82C2.....27.95
52mm Threaded Adapter (119052) Item # LIAR52C2.....27.95	67mm Threaded Adapter (119067) Item # LIAR67C2.....27.95	Hasselblad B-50 C Adapter (119001) Item # LIARHCC2.....36.50
55mm Threaded Adapter (119055) Item # LIAR55C2.....27.95	72mm Threaded Adapter (119072) Item # LIAR72C2.....27.95	Hasselblad B-60 CF Adapter (119005) Item # LIARHCFC2.....39.95
58mm Threaded Adapter (119058) Item # LIAR58C2.....27.95	77mm Threaded Adapter (119077) Item # LIAR77C2.....27.95	Rollei Bay 6 Adapter (119006) Item # LIARRC2.....36.50
Special Order! Custom Adapter (119009) Item # LIARCC2.....37.95		

# MONTAGERS/ADAPTERS

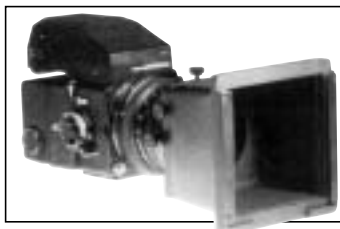
L I N D A H L M O N T A G E R S

PRO ACCESSORIES

250

## SLR Montager

A fixed montager for SLR cameras positions 4 1/2" multiple exposure masks into front of montager for special effects, when used with the normal lens. Adjustments cannot be made.



### SLR Montager Standard (311420)

With eight 4 1/2" basic montaging masks

for multiple exposure (#31-1301). Requires size 8 adapter ring.

Item # LIMSLRS .....94.95

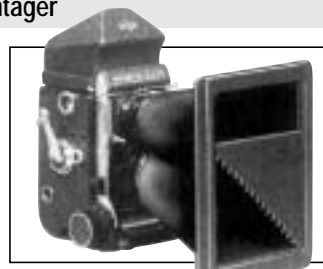
### SLR Montager Hasselblad CF (311425)

With eight 4 1/2" basic montaging masks for multiple exposure (#31-1301). Fits directly onto all Hasselblad CF lenses using a Bay 60 mount.

Item # LIMSLRH .....109.95

## TLR Montager

A fixed montager for TLR cameras. Positions 4 1/2" multiple exposure masks in front of montager for special effects when used with the normal lens. Adjustments cannot be made.



### TLR Montager

for Mamiya C (311330)

With eight 4 1/2" basic montaging masks for multiple exposure (#31-1301). Fits directly onto standard lens.

Item # LIMTLRMC .....94.95

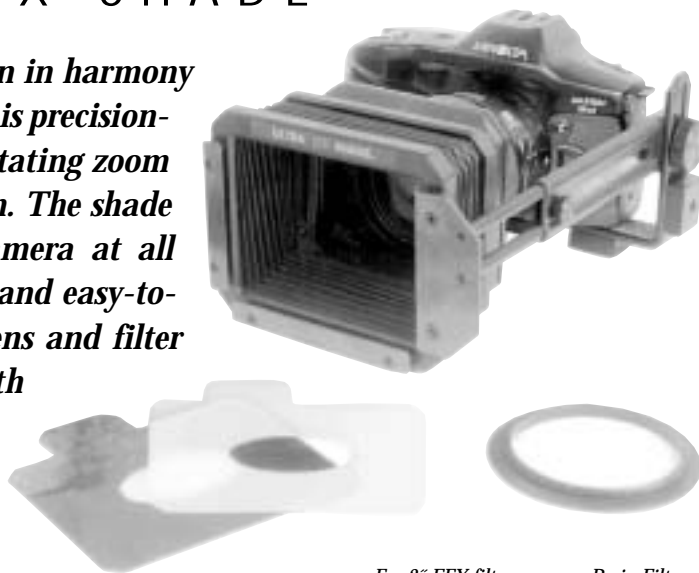
### TLR Montager for Rolleiflex (311340)

With eight 4 1/2" basic montaging masks for multiple exposure (#31-1301). Specify Rollei bay size.

Item # LIMTLRR .....94.95

## L I N D A H L U L T R A E F X S H A D E

*The Ultra EFX Shade is designed to function in harmony with today's 35mm SLR cameras and lenses. It is precision-engineered to work on both autofocus and rotating zoom lenses through a revolutionary adapter system. The shade remains stationary and in-line with the camera at all times. The Ultra EFX Shade features a quick and easy-to-use 35mm lens shade with the ultimate in lens and filter protection. Professional looking effects with lightweight construction. Works on lenses 28mm and longer. It accepts Cokin A and P, 3" Lindahl EFX filters and front 4.5 x 3.5" (114 x 90mm) vignette slot.*



For 3" EFX filters, see our Resin Filters section.

### Ultra EFX Shade (351620)

With a mounting bracket, one diffusion filter, two vignettes. (Requires adapter disk.)

Item # LILHUEFX .....99.00

### Motor Drive Bracket (351701)

For motor drive cameras.

Item # LIBMD .....19.95

### 2" Extension Rods (351902)

Set of 2.

Item # LIERUEFX .....9.95

## EFX Adapter Disks

49mm Threaded  
Adapter Disk (113049)

Item # LIAD49 .....14.95

52mm Threaded  
Adapter Disk (113052)

Item # LIAD52 .....14.95

55mm Threaded  
Adapter Disk (113055)

Item # LIAD55 .....14.95

58mm Threaded  
Adapter Disk (113058)

Item # LIAD58 .....14.95

62mm Threaded  
Adapter Disk (113062)

Item # LIAD62 .....14.95

67mm Threaded  
Adapter Disk (113067)

Item # LIAD67 .....14.95

72mm Threaded  
Adapter Disk (113072)

Item # LIAD72 .....14.95

77mm Threaded  
Adapter Disk (113077)

Item # LIAD77 .....14.95

82mm Threaded  
Adapter Disk (113082)

Item # LIAD82 .....14.95

We are on the web at: <http://www.bhphotovideo.com>

# MONTAGERS/VIGNETTERS

## LINDAHL HI-KEY VIGNETTER

*Hi-Key Vignetter uses a "no bellows" principle to allow light to fall on both sides of the vignette to achieve a correct hi-key vignette. By installing the small probe and bracket, you can have perfect hi-key vignetting any time, any place. Included with the system are 4 white magnetic vignettes. These vignettes attach to the front frame and allow you to place your vignettes precisely where you want them. To control the degree of vignetting, the front standard is adjustable and can be locked down with the thumb screw. Next to the lens is a 3" square slot for filters and diffusers.*



### Hi-Key Vignetter System Standard (431260)

Includes one hi-key vignetter unit, four hi-key magnetic vignettes, one mini strobe, one bracket for mini strobe. Requires size 8 adapter ring.

Item # LIHKVS.....98.10

### Hi-Key Vignetter System Hasselblad (431265)

Includes one hi-key vignetter unit, four hi-key magnetic vignettes, one mini strobe, one bracket for mini strobe. Fits directly onto Hasselblad CF lenses, using Bay 60 size.

Item # LIHKVH.....115.20

PRO ACCESSORIES

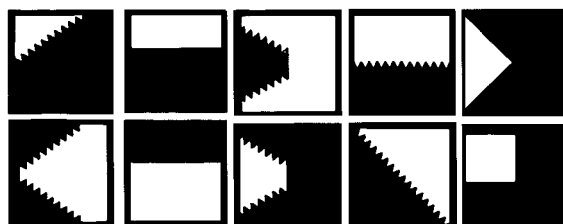
251

## LINDAHL MONTAGING MASKS (DOUBLE EXPOSURE)

### Pro Montaging Masks (311303)

Contains 10 masks for multiple exposure. The masks are 4 1/2" square and fit Lindahl vignetting systems, Bell-O-Shade, fixed montagers and 4 1/2" slots of other manufacturers.

Item # LIMMPS.....33.50



Pro Montaging Masks (311303)

### Reflections Double Exposure Plate (311305)

4 1/2" plate designed to be used in the center standard of the Vignetting System. By making your first exposure with the bottom portion in place, then rotating it, you can achieve high quality double exposures.

Item # LIRDEP .....24.95



## LINDAHL GLASS NEUTRAL-DENSITY VIGNETTES

*These vignettes do not change the color of the subject in the background, they simply darken the corners of your photograph. They are useable on a large pattern of apertures. These 4 1/2" square vignettes achieve their effect through carefully selected extremely durable patterns printed on the surface. They can be customized for a particular photographer's style. Requires the Professional Vignetter.*

### #A Oval Neutral-Density Vignette (431291)

Item # LIVNDOG.....25.95

### #C Bottom Arc Neutral-Density Vignette (431293)

Item # LIVNDBSG .....25.95

### #B Circle Neutral-Density Vignette (431292)

Item # LIVNDCG .....25.95

### #D Bottom Straight Neutral-Density Vignette (431294)

Item # LIVNDBSGQ .....25.95

### Complete Set of 4 Neutral-Density Vignettes (431295)

This complete set of vignettes consists of a #A Oval-Neutral, #B Circle, #C Bottom Arc, and #D Bottom Straight neutral-density vignettes.

Item # LIVSNDA .....69.95

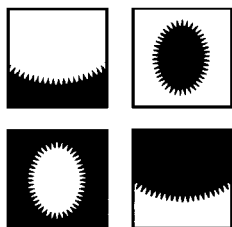


THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# VIGNETTES

## LINDAHL VIGNETTES



Basic Vignette Pack  
(431208)

### Basic Vignette Pack (431208)

This basic package contains four vignettes designed for larger apertures. These simple vignettes are ideal for use in the Bell-O-Shade and perfect for the beginner as well as the experienced professional. Set includes 2 black and 2 white 4 1/2" square slip-in vignettes.

Item # LIVSB.....25.95

### Basic Vignette

#### Pack Magnetic (431211)

For larger apertures. These 4 magnetic vignettes allow maximum flexibility in the placement of your vignettes. Recommended for the Bell-O-Shade or Professional Vignetter. Set includes 2 black and 2 white magnetic vignettes.

Item # LIVSMB.....28.50

### Mid-Key Vignettes (433010)

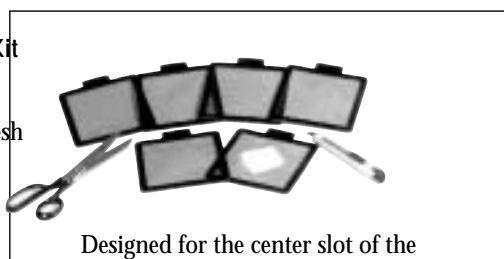
Designed to produce the popular mid-key look. By creating an effect that is neither dirty brown or stark white, this vignette blends beautifully with Hi and Mid-Key setting. If a pure white effect is desired, simply illuminate the vignette as you would any Hi-Key vignette.

Item # LIVSMK.....44.95

### Low-Key Vignette Kit

#### Low-Key Custom Vignette Kit (431251)

A 6-piece kit containing 6 uncut mesh screens mounted to a plastic 4 1/2" square frame.



Designed for the center slot of the

Vignetting System. Also usable on a wide range of pro lens hoods, accepting 4 1/2" accessory size. Enables you to make your own vignettes, just as many recognized photographers do.

Item # LIVSL6K.....37.95

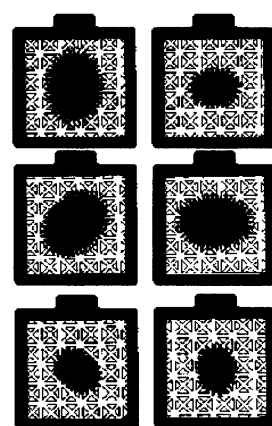
### Cricchio Soft Edge Vignettes

#### Soft Edge Vignettes (431270)

Designed by the world renowned photographer Frank Cricchio for use in Hi-Key photographs. These 4 1/2" soft edge vignettes gently diffuse the edge of portraits giving you a beautiful effect.

Coming as a set of 6, the Soft Edge Vignettes includes small and large vertical oval, small and large horizontal oval, and small and large diagonal oval design. Usable on a wide range of pro lens hoods accepting 4 1/2" accessory size.

Item # LIVSC6.....87.50



### Clearflex Vignettes

4 1/2" Clearflex Vignettes are neutral smoke gray color vignettes for normal focal length lenses. They are usable over a wide range of apertures and are made of rubber styrene. These vignettes will alleviate problems with other types of low-key vignettes by having them pre cut for every situation. Sold in a set of 10, which includes small and large vertical oval, small and large horizontal oval, and high and low bottom arch.

#### 1.0 Smoke Gray Clearflex Vignettes (432030)

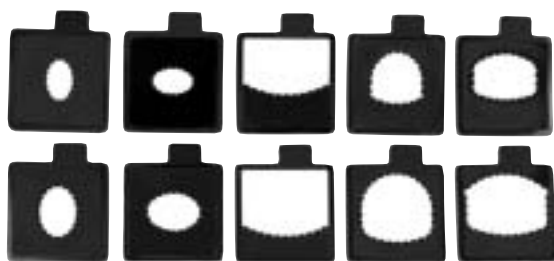
Set of 10.

Item # LIVCF1.....53.95

#### 1.5 Smoke Gray Clearflex Vignettes (432040)

Set of 10.

Item # LIVCF1.5.....53.95



4 1/2" Smoke Gray Clearflex Vignettes

### Creativity (Vignette) Kits



4 1/2" graduated vignettes made of a molded plastic mesh material. Each set works at apertures of f/8 and larger. Contains 6 Vignettes - small and large horizontal oval, small and large vertical oval, small and large bottom arch design. They can be snapped together in pairs, or used individually to form custom Vignettes. Usable on a wide range of pro lens hoods accepting 4 1/2" accessory size.

#### Creativity Kit, Clear (431288)

Set of 6. For hi-key vignetting. A large aperture alternative to glass.

Item # LICKC .....47.50

### Converter

#### 4 1/2" to 5 1/2" Converter (445110)

Convert 4 1/2" vignetting masks to be used on Compendium II lens hoods, or other brand hoods using 5 1/2" accessory slot.

Item # LIC4.55.5.....14.95

### Wood Storage Boxes

#### Wood Box for 4 1/2" Devices (231120)

With partitions. Holds 8 vignettes. Ideal for storage of glass vignettes.

Item # LISBWV4.5.....39.95



# PRO LENS HOODS

SAILWIND

*The Sailwind Pro Vignetta Matte System has a unique design which greatly reduces flair. Its metal construction assures a very durable Pro Lens Hood. The rack and pinion focusing rail moves smoothly in and out for perfect postioning. It accepts up to two glass, plastic or double thick professional filters in the rear and will accomodate slip-in or magnetized vignettes or montagers on the bellows front. An accessory bellows is available to extend the Pro Bellows for utilizing the low-key vignettes or other accessories.*



Pro Vignetta Matte Bellows shown with Auxiliary Bellows

*Lens adapter rings are available to fit 49mm-82mm Hasselblad Bayonet 50, 60 and Rollei Bay 6.*

## Pro Vignetta Matte Bellows

Item # SAPB.....**229.88**

## Auxiliary Bellows

Item # SAPAB.....**99.88**

### Lens Adapter Rings

49mm Lens Adapter Ring (49AR)  
Item # SAAR49.....**19.95**

52mm Lens Adapter Ring (52AR)  
Item # SAAR52.....**19.95**

55mm Lens Adapter Ring (55AR)  
Item # SAAR55.....**19.95**

58mm Lens Adapter Ring (58AR)  
Item # SAAR58.....**19.95**

62mm Lens Adapter Ring (62AR)  
Item # SAAR62.....**19.95**

67mm Lens Adapter Ring (67AR)  
Item # SAAR67.....**19.95**

72mm Lens Adapter Ring (72AR)  
Item # SAAR72.....**21.95**

77mm Lens Adapter Ring (77AR)  
Item # SAAR77.....**21.95**

82mm Lens Adapter Ring (82AR)  
Item # SAAR82.....**29.95**

Bay 50 Lens Adapter Ring (B50AR)  
For Hasselblad C lenses.  
Item # SAARB50.....**24.95**

Bay 60 Lens Adapter Ring (B60AR)  
For Hasselblad CF lenses.  
Item # SAARB60.....**29.95**

72 Bay Lens Adapter Ring (72BAR)  
For Rollei lenses with Bay 6.  
Item # SAARB72.....**29.95**

Camera Mounting Ring  
Replacement.  
Item # SAMRB.....**19.95**

### Adapter Plates

Vignetter Adapter Plate  
Allows non-magnetized bellows to accept magnetized accessories.  
Item # SAAPB.....**21.95**

Vignetter Adapter Plate  
For Mamiya G-3 Bellows.  
Item # SAAPMG3.....**24.95**

Vignetter Adapter Plate  
For Hasselblad Pro Shade 6093.  
Item # SAAPHPS.....**34.95**

### Bellows Accessories

3x3" Metal Filter Holders  
For Sailwind Bellows.  
Item # SAFHM33.....**19.95**

3x3" Filter Holder  
for Cromatek Filters  
Item # SAFHC33.....**21.95**

3x3" Plastic Filter Holders  
Two peel-apart and press-apply holders mount any 3x3" filter.  
Item # SAFHP33.....**5.95**

### Vignetter and Montager Kits

Sailwind/Leon Portrait  
Scoop Vignetter Kit (LPS)  
Three black mesh magnetized scoop vignettes, in three densities: light, medium and dark for blending the lower portion of the image area.  
Item # SALPVK.....**59.95**

Sailwind/Leon  
Vignetter Kit (LVK)  
Eight plastic slip-in vignettes with four different circular openings. Four translucent vignettes are for high-key vignetting, and four brown vignettes are for low-key.  
Item # SALVK.....**39.95**

Sailwind/Leon  
Pro II Vignetter Kit (LP II)  
Three magnetized black mesh vignettes with oval openings for gently blended, low-key vignetting in the studio or outdoors.  
Item # SALP2VK.....**59.95**

Sailwind/Leon  
Hi Net Vignetter Kit (LHN)  
Three white net magnetized vignettes with oval openings for a lighter medium key blending of the image edges. Looks great with lighter color backgrounds  
Item # SALHNVK.....**59.95**

Sailwind Soft Frost  
Vignetter Kit (SF)  
Eight oversized magnetized vignettes allow the photographer to put the vignetting effect anywhere in the image area. Four clear-soft vignettes for light blending of backgrounds and four frosted vignettes for high key effect. The kit includes one large and one small oval vignetter, and one large and one small circular vignetter.  
Item # SASFVK.....**69.95**

Sailwind/Leon High Key  
Vignetter Kit (LHK)  
Seven magnetized translucent high key vignettes in scoops, half-vignettes, S-curve and two oversized in bell and triangle patterns - great for bridal portraits. Produces beautiful high key images for head and shoulders or full length portraits in the studio or outdoors.  
Item # SALHKVK.....**59.95**

Sailwind Montager Kit  
15 masks of different shapes make it easy to do mantaging and to create double and multiple exposures. Great for weddings, school portraits, and creating unique images.  
Item # SAMMK.....**79.88**

# BRACKETS

## C R A N E

### Multi-Brackets

A must for all wedding photographers or anyone who does location/candid and multiple-light shooting, the Multi-Bracket is designed to conveniently hold your portable flash, power supply, radio slave receiver or photo slave and an umbrella for bounce lighting with the strobe sensor facing subject, allowing automatic exposure control (except MB-2). They are excellent when mounted on a mono-pod or small light stand for easy mobility or for use on an extension pole and are extremely well balanced. Equipped with a flash "quick release" for your convenience and an adjustable tilting head for easy positioning, they accept all stands up through  $\frac{5}{8}$ ". Multi-Brackets are offered in four different models to accommodate virtually all portable strobes.

#### Multi-Bracket MB-1

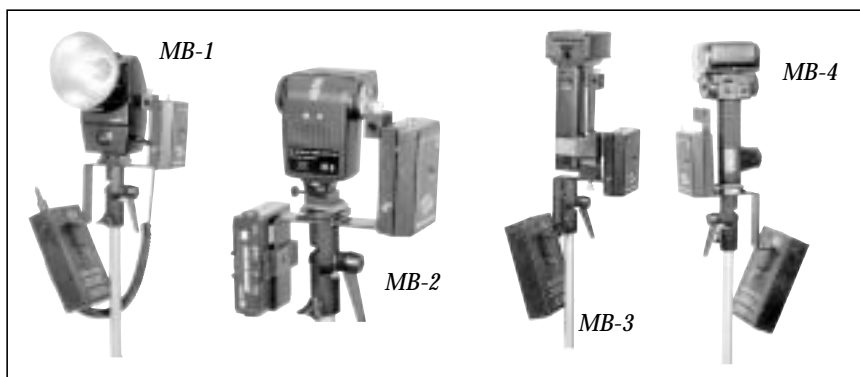
Fits Sunpak Auto-Pro 120J, Lumedyne, Norman, Quantum Q-Flash, and Mini Lights AC/DC Version ( $\frac{1}{4}$ "-20 thread mount).

**Item # CRMB1.....69.95**

#### Multi-Bracket MB-2

Fits Vivitar 283/285 and all "shoe-mount" style flash heads.

**Item # CRMB2.....69.95**



#### Multi-Bracket MB-3

Fits all Metz 45/60 Series strobes (w/Metz quick-release).

**Item # CRMB3.....69.95**

#### Multi-Bracket MB-4

Fits all Sunpak "handle-mount" flashes.

**Item # CRMB4.....69.95**

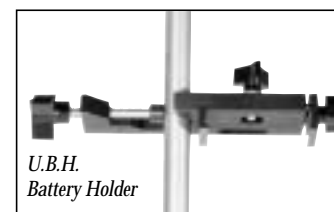
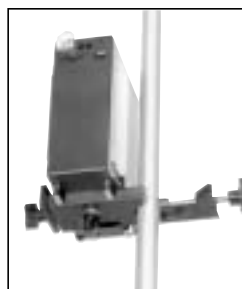
### Universal (U.B.H.) Battery Holder

The Universal Battery Holder is specifically designed to securely hold all Quantum, Lumedyne and Metz 60 Series battery packs to most light stands, mono-pods and tripods. Its rigid, extremely lightweight aluminum construction provides great benefit without adding excess weight to your bag. Ideal for commercial,

wedding, location or studio use. Recommended for use with Lumedyne systems and Metz 60 Series strobes when using Multi-Brackets MB-1, MB-2, MB-3, and MB-4. Black Anodized.

#### Universal Battery Holder

**Item # CRBHU.....34.95**

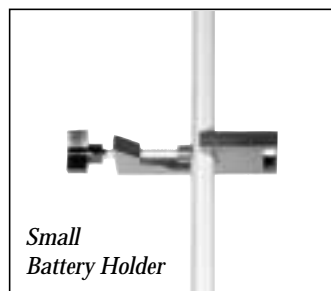


U.B.H.  
Battery Holder

U.B.H. Battery Holder with  
Metz battery pack

### Small Battery Holder (S.B.H.)

The small battery holder was designed to securely hold all Quantum battery packs and other items with a belt clip (i.e. belt pouch for film magazines, Filter and Vignette Pouch) to most light stands, mono-pods and tripods. Its small, lightweight design is ideal for wedding, location and studio use. Black Anodized.



Small  
Battery Holder



Small Battery  
Holder with  
Quantum  
Battery Pack

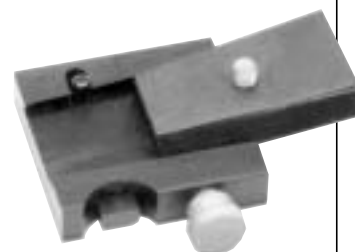
#### Small Battery Holder

**Item # CRBHS.....21.95**

### 35mm Quick Shoe (35QS) "The Best"

The 35mm Quick Shoe provides quick camera mounting, while eliminating thread wear on the camera. The small light-weight foot can remain on the camera for quick mounting. Additional camera feet are available.

**Item # CRQS .....54.95**



**All items are complete with all accessories as supplied by the manufacturer**

# BRACKETS

## NEWTON 7000 SYSTEM

The Newton 7000 Bracket System is small and lightweight. Milled from 6061T aluminum, these brackets offer the professional photographer a compact and strong support for camera and flash systems. The Newton 7000 System keeps your flash directly over the camera lens for shadow and "red eye" control. All Series 7000 brackets have the EZR camera release. The EZR System is a safe and easy way of removing the camera from any of the 7000 series brackets.

### Universal Camera Rotator Bracket (N7000)

With flash cable release and allen keys. Allows positive and secure movement from horizontal to vertical positions, keeping the flash directly over the lens for better "red eye" control. Has a built-in 3" height adjustment and can be used with medium format and motorized 35mm SLR's. Weighs only 15.3 oz. Dimensions are 5 x 7 x 4" (HWD).

Item # NEN7000.....114.95



Universal Camera Rotator Bracket (N7000)

### Overhead

#### Height Extender (N7030)

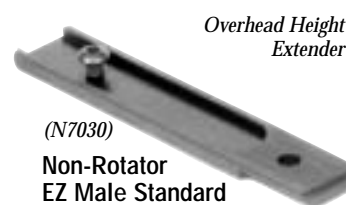
For N7100, N7300 and N7400 brackets. Adds 4 1/4".

Item # NEN7030.....19.95

#### Forward Extender (N7031)

For same brackets as above. Relocates flash bar forward. Permits use of waist level finders.

Item # NEN7031.....18.50



Overhead Height Extender

(N7030)

#### Non-Rotator EZ Male Standard (N7040)

Replacement for N7100, or converts N7000 to N7100.

Item # NEN7040.....29.95

#### Tripod EZ Male (N7050)

Attaches to tripod, allows camera with EZ female to slide on and lock.

Item # NEN7050.....29.95

#### EZ Male Standard for Camera Rotator N700 (N7051)

Replacement.

Item # NEN7051.....29.95

ETR/S

Grip (N705)



#### EZ Male for Bronica ETR/S/Si + Speed Grip (N7052)

Attaches to N7000. Also for some 35's with motors.

Item # NEN7052.....29.95

#### EZ Male T90 (N7053)

Allows Canon T90 and some other 35's with motors to attach to N7000.

Item # NEN7053.....44.95

#### EZ Male Assembly N7200 Base Only (N7061)

Converts older Newton Flash Rotators to EZ style.

Item # NEN7061.....64.95

EZ Male Assembly N7200 Base Only (N7061)



Hasselblad Bracket (N7300)

Universal Non-Rotator Bracket (N7100)  
With flash shoe, cable release and allen keys. Designed for square format cameras, it does not have the camera rotator. Weighs 12 1/2 oz. 5x7x4" (H.W.D.)  
Item # NEN7100.....90.00

### Hasselblad Bracket (N7300)

Requires Hasselblad grip. Includes flash shoe and allen key. The Hasselblad bracket is designed to attach to the bottom of the Hasselblad flash gun #45072, #46330, #45071, #46329. It gives a strong over-lens support for all flash units including the Hasselblad flash attaches to the camera body. It also allows the Hasselblad flash gun to sit on a solid base and attach to a tripod. Weighs 9 oz. 6x5x2 1/2" (H.W.D.)

Item # NEN7300.....84.00

### Bronica SQ Bracket (N7400)

With flash shoe and allen key. The Bronica SQ bracket is designed for the SQA, SQAM or SQAi Bronica cameras with speed grip or motor. Small and compact, it keeps the flash directly over the lens. The overhead unit is easily adjustable for flash height. Weighs 6oz. 5x4x5" (H.W.D.)

Item # NEN7400.....84.00

### Metz Adapter

#### Platform (N7035)

For use with 45/60 CT, CL flashes.

Item # NEN7035.....29.95



Metz Adapter Platform (N7035)

#### Nikon Dedicated Cord/Universal Handle Mount Adapter (N7036)

Item # NEN7036.....16.95

#### Canon Dedicated Cord Holder (N7037)

Item # NEN7037.....16.95

#### Leather Handstrap (N7038)

For N7000, N7100 brackets.

Item # NEN7038.....26.50

#### Replacement Shoe (N7039)

Fits all brackets and adapters.

Item # NEN7039.....16.95



Universal Flash Rotator Bracket (N7200)



Universal Non-Rotator Bracket (N7100)

Universal Flash Rotator Bracket (N7200)  
With flash shoe and allen keys. Designed for 35mm with or without motor, and medium format with grip that requires rotation. May be used in either the right hand or left hand position. The overhead unit can be adjusted up or down, or in or out to match almost any camera requirement. Weighs 9 oz. 5x4x5" (H.W.D.)  
Item # NEN7200.....90.00

# BRACKETS

## NEWTON 7000 SYSTEM

### Flash Mounting Accessories

#### EZR Platform Only (N7063)

The EZ female for the flash; also fits all flash accessories, such as height extenders, Metz adapter platform, Nikon dedicated cord/universal handle mount adapter, replacement shoe, and twin flash bar.

**Item # NEN7063 .....16.95**

#### Flash Accessory Mount (N7064)

Extremely secure. Uses the 1/4" Nice Knurled Knob for high torque retention. Can be used as a tripod spacer.

**Item # NEN7064 .....23.50**

*Twin Flash Bar (N7080)*



*EZ Female Hasselblad (N7071)*

#### EZ Female Standard (N7070)

**Item # NEN7070 .....29.95**

#### EZ Female Hasselblad (N7071)

**Item # NEN7071 .....29.95**

### EZ Female Camera Plates

**EZ Female F3 with Motor (N7072)**  
For the Universal Flash Rotator Bracket.

**Item # NEN7072 .....29.95**

#### EZ Female FA/FE/FM

with Motor (N7073)

For the Universal Flash Rotator Bracket.

**Item # NEN7073 .....29.95**

#### EZ Female Bronica ETR/S/Si (N7075)

For the Universal Camera Rotator Bracket. Milled for ETR base, no grip.

**Item # NEN7075 .....29.95**

#### EZ Female XL (N7076)

For very eccentric tripod socket motors.

**Item # NEN7076 .....37.95**

### Miscellaneous Accessories

#### Twin Flash Bar (N7080)

With single sync connector. Accepts two shoe mount flash units. Sync cord included.

**Item # NEN7080 .....56.50**

#### Quantum Battery Holder (N7081)

For the Universal Camera Rotator, Universal Non-Rotator, and the Bronica SQ Bracket.

**Item # NEN7081 .....28.50**

#### EZ Female Bracket Stand (Feet) (N7082)

For the Universal Camera Rotator, Universal Non-Rotator, and Bronica SQ Bracket. Adjustable.

**Item # NEN7082 .....32.50**

#### Nice Knurled Knob (N7090)

Fits Universal and Bronica brackets, tripod EZ mate, EZ male assembly base, and flash accessory mount.

**Item # NEN7090 .....4.95**

ACCESSORY to BRACKET CHART		N7000	N7100	N7200	N7300	N7400
N7080	Twin Flash Bar	•	•	•	•	•
N7037	Canon Dedicated Cord Holder	•	•			
N7036	Handle Mount Platform	•	•	•	•	•
N7039	Flash Shoe	•	•	•	•	•
N7032	1" Tilt Unit	•	•	•	•	•
N7033	2" Tilt Extender	•				
N7034	4" Tilt Extender	•				
N7035	Metz Adapter	•	•	•	•	•
N7030	Overhead Extender	•	•	•	•	
N7031	Forward Extender	•	•	•	•	
N7070	Standard Plate	•	•	•	•	•
N7071	Hasselblad Plate	•	•			
N7072	Nikon F3 w/Motor Plate	•	•			
N7073	Nikon FA/FE w/Motor Plate	•				
N7074	Nikon 8008 Plate	•				
N7075	ETR/ETRS/ETRSi Plate	•				
N7062	EZR Flash Release System	•	•	•	•	•
N7038	Hand Strap	•	•			
N7052	ETRSi w/Speed Grip	•				
N7064	EZ Flash Accessory Mount	•	•	•	•	•
N7081	Quantum Battery Holder	•	•	•	•	
N7082	Bracket Stand	•	•	•		



# BRACKETS

## LINDAHL BRACKET PLUS SYSTEM

The Bracket Plus Systems are designed to be a complete flash bracket system for your 35mm, 6x4.5 or 2 1/4 square format cameras with a shoe mount type strobe. Designed to be used only with prism finders, the system will allow Bronica ETR(S) and Mamiya 645 users to keep their flash oriented over the lens in both vertical and horizontal positions, casting the shadows behind the subject. Adapters are available for handle mount type strobes, such as a Metz, Sunpak, etc.

### Bracket Plus System for 35mm (171010)

Consists of #17-3500 grip and #17-2211 swing arm with shoe mount.

**Item # LIBPK35.....\$89.10**

### Bracket Plus System for 6x4.5 Format (171510)

Consists of #17-2250 grip and #17-2211 swing arm with shoe mount.

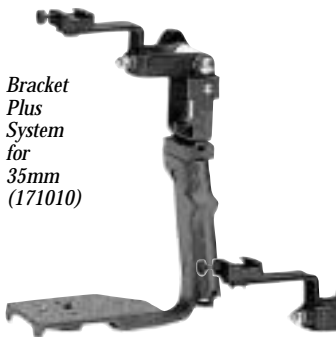
**Item # LIBPK645.....\$89.10**

### Bracket Plus System for 2 1/4 (6x6 and 6x7) (172010)

Consists of #17-2250 grip and #17-3211 swing arm with shoe mount.

**Item # LIBPK66.....\$89.10**

Bracket Plus System for 35mm (171010)



Bracket Plus System for 6x4.5 format (171510)

### Handle Mount Adapter (171020)

Fits on shoe mount. Adjustable and can be used on tube type flashes like Sunpak, Metz, etc.

**Item # LIHMSA.....\$12.15**

### Head Mount Adapter (171030)

Fits on shoe mount. Used with Lumedyne and Norman head mount flashes. Also acts as a spacer to allow flash to remain in correct position for either vertical or horizontal shots.

**Item # LIHMA.....\$12.15**

### Swing Arm Portion 4" with Shoe Mount (171211)

4" distance from top of grip to strobe base.

Replacement on #17-1010.

**Item # LISAP4.....Disc.**

### Swing Arm Portion 5" with Shoe Mount (172211)

5" distance from top of grip to strobe base.

Replacement on #17-1510.

**Item # LISAP5.....\$49.95**

### Swing Arm Portion 6" with Shoe Mount (173211)

6" distance from top of grip to strobe base.

Replacement on #17-2010.

**Item # LISAP6.....\$49.95**



Head Mount Adapter (171030)

### Bracket Plus Grip Only 35mm (173500)

Replacement on #17-1010.

**Item # LIBP35.....\$49.95**

### Bracket Plus Grip Only Medium Format (172250)

Replacement on #17-1510, #17-2010.

**Item # LIBPMF.....\$49.95**

## Lindahl Trigger Grip



The Trigger Grip is a medium format flash bracket with a shutter release designed to make the job easier. The Trigger Grip is a significant improvement over a cable release. Features include a swing arm that allows for flash height adjustability and a shutter release mechanism, which is pressed by the trigger on the grip. Each model is camera-specific with individualized base plates. Designed to work with prism finders, equipment sits solidly upright, even with heavy flash attachments.

### Trigger Grip for Hasselblad (170910)

**Item # LIGTH.....\$121.50**

### Trigger Grip for Mamiya 645 (170911)

**Item # LIGTM645.....\$121.50**

### Trigger Grip for Mamiya RB/RZ (170912)

**Item # LIGTMRB.....\$121.50**

### Trigger Grip for Rollei 6000 Series (170916)

**Item # LIGTR6.....\$121.50**

### Trigger Grip for Mamiya C330/C220 (170913)

**Item # LIGTMC330.....\$121.50**

### Trigger Grip for Bronica ETRSi (170914)

**Item # LIGTBE.....\$121.50**

### Trigger Grip for Bronica SQa (170915)

**Item # LIGTBS.....\$121.50**

## Lindahl Trigger Grip Accessories

### Locking Shoe (391006)

Aluminum accessory shoe with 1/4-20 thread for mounting. Side screw allows for locking accessory in shoe.

**Item # LILS.....\$9.50**

### Universal Shoe (391014)

Universal aluminum accessory shoe with 1/4-20 thread for mounting. Universal size allows mounting of most popular flash shoe sizes. Ideal for use with the Locking Foot, or flash with locking device.

**Item # LIUSGT.....\$6.95**

### Standard Foot Aluminum (391007)

Standard accessory foot. Includes 1/4-20 screw for attaching. Requires a locking shoe for secure mounting.

**Item # LIFA.....\$5.95**



Standard Foot Aluminum (391007)

### Locking Foot (391012)

Attaches to any 1/4-20 mounting hole. Tighten lock nut against flash, large locking knob tightens foot to any accessory shoe.

**Item # LILFGT.....\$8.95**



### Locking Shoe and Standard Foot Aluminum (391005)

Combination of 391006 and 391007.

**Item # LILSF.....\$13.95**

### Locking Handle Mount Adapter (171030)

Designed to be used with Lumedyne and Norman head mount flashes. Adapter acts as spacer to allow correct alignment of flash when using a 6x4.5 format, or to extend flash position over the lens with square format camera system.

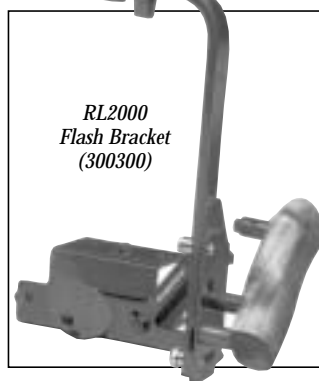
**Item # LIHMA.....\$12.15**

# BRACKETS

## STROBOFRAME

Stroboframe brackets combine camera and flash into an integrated system that permits superb lighting frame after frame. Most Stroboframe brackets for rectangular format cameras have a unique, patented Rotary-Link mechanism. This simple, ingenious system allows instant camera rotation between horizontal and vertical compositions, with a flick of your wrist. Other features include adjustable grips and a tilting flash arm that allows you to control flash angle. The brackets offer superior balance for comfortable, fatigue-free shooting. Stroboframe brackets are made in the USA from superior, aircraft-quality aluminum with a baked-on epoxy finish. The Rotary-Link mechanism pivots on spring-tensioned nylon bearings for smooth, positive operation. Walnut grips are hand-rubbed to a lustrous, long-wearing finish. Premium materials, quality craftsmanship and field-tested engineering assure years of use and dependability.

### RL/SQ Flash Brackets



RL2000  
Flash Bracket  
(300300)

#### RL 2000

##### Flash Bracket (300300)

For medium format and 35mm cameras. Rotary-link horizontal to vertical camera rotation system. 3-position flash tilt for close-ups. 4-position adjustable side grip with thumb cable release. Tripod mountable. Weighs 21 oz. 10 x 8 x 5" (H.W.D.) Includes 1/4"-20 threaded flash or camera mounts and cable release. (Requires shoe mount, Metz mount or handle mount.)

Item # **STRL2000** .....**96.95**

#### Low Profile

##### Camera Platform (300331)

For RL 2000, for use with cameras that have a high lens position or an external base-mounted winder. Maintains a centered-under-the-lens position in vertical positions.

Item # **STCPLPRL2000**.....**14.50**

#### Pro-RL Flash Bracket (310-700)

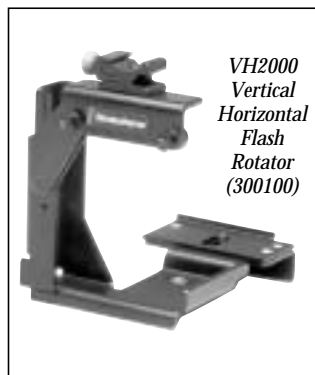
For Pro 35 and medium format cameras. Bracket is supported with your left hand leaving your right hand to operate all camera controls including horizontal to vertical positioning. 12 position one-handed flash tilt with flash height from 11 x 18". Dimensions: 14 x 10 x 5.8" HWD. Weighs 33 oz. Tripod mountable. (Requires shoe mount, Metz mount or handle mount.)

Item # **STPRL**.....**110.50**

#### VH 2000 Vertical/Horizontal Flash Rotator (300100)

For medium format and 35mm cameras. Weighs just 9 oz. Designed to be used without handles or cable release. Positions flash above the lens in both horizontal and vertical formats. Flash height adjustment compensates for camera size or use of motor drive. Tripod mountable. 6 x 4 x 5" (H.W.D.). Includes flash shoe and anti-twist plate for 35mm cameras.

Item # **STVH2000** .....**58.95**



VH2000  
Vertical  
Horizontal  
Flash  
Rotator  
(300100)

#### Pro-SQ Flash Bracket (310-705)

For square format or rotating back cameras. Same features as Pro-RL but with a fixed camera platform. 14 x 7.5 x 5.8" HWD. Weighs 24 oz. (Requires shoe mount, Metz mount or handle mount.)

Item # **STPSQ**.....**96.95**

### R/QR-Series Flash Brackets

#### R4-B Bracket (300450)

Rotary-link camera platform rotates camera from horizontal to vertical. Keeps lens axis centered under the flash. With walnut center palm grip and two-position side grip. Accepts camera Auto Quick Release and Anti-Twist (AT) Plates. Tripod mountable. Weighs 29 oz. 17 x 7 x 8" (H.W.D.). Includes 1/4"-20 threaded flash mount (requires shoe or Metz mount or handle mount.) and cable release.

Item # **STR4B** .....**93.50**

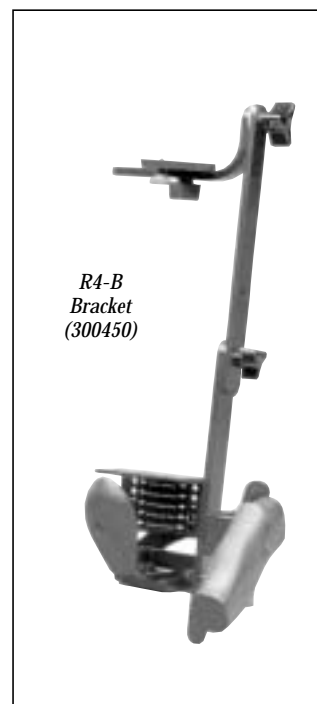
#### QR66 Flash Bracket for Hasselblad (300800)

Designed by Denis Reggie, for Hasselblad and other square format cameras. Exclusive ultra-thin base design is custom matched to lock into the camera base; prevents twisting. Instant two-position flash angle adjustment for close-ups. Fully cushioned handle for comfortable, fatigue-free shooting and carrying. Bracket will sit upright on flat surfaces with camera and flash attached. Optional cable release kit attaches to foam handle.. Dimensions: 8x5.5x2" (H.W.D.) Weight: 1 lb. 2 oz.

Item # **STQR66H** .....**82.95**



QR66 Flash  
Bracket for  
Hasselblad  
(300800)



R4-B  
Bracket  
(300450)

#### QR66 Cable

##### Release Kit (300810)

Attaches to bracket handle. Includes 19" cable release.

Item # **STCRQR66** .....**17.95**

#### "Camera Flip"

##### Flash Bracket (310900)

For most 35mm and 6x4.5cm camera/shoe mount flash combinations. Allows camera rotation between vertical and horizontal positions while flash remains centered over the lens. Padded foam grip. Accepts camera Auto Quick release and Anti-Twist (AT) Plates. Tripod mountable. Weighs 16 oz. Dimensions are 10.5 x 8x 2.8" HWD. It includes a shoe type flash mount.

Item # **STCF** .....**57.93**

# BRACKETS

## STROBOFRAME, *continued*

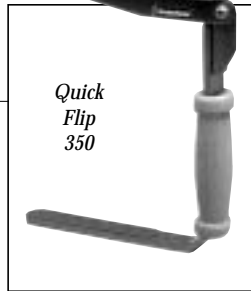
### Quick Flip Flash Brackets

All Strob frame Quick Flip Flash brackets have a pivoting flash arm that keeps the flash over the lens in both horizontal and vertical positions. They have a

#### Quick Flip 350 (310635)

For all 35mm cameras and shoe-mount flash units. Can also be used with handle-type flash (optional 300-HAN). Includes shoe mount. Dimensions: 9 x 9 x 2" (H.W.D.) Weighs just 10oz.

Item # **STQF350**.....**41.50**



comfortable foam grip and a tripod mountable base. They allow the user to shoot and advance film as if no bracket were attached.

#### Quick Flip 120 (310666)

For all medium format cameras and shoe-mount flash units. Can also be used with handle-type flash (optional 300-HAN). Includes shoe mount. Dimensions: 10x7x4" (H.W.D.) Weighs 12oz.

Item # **STQF120**.....**48.50**

### Pro-T and Press-T Brackets

The Pro-T and Press-T are flash rotating brackets. Both are light, compact and fast handling. The flash arm swings to keep the flash centered over the lens for both horizontal and vertical compositions. These brackets do not require the use of a cable release. The base mounts directly to the Strob frame Quick Release and accepts all mounts.

#### Pro-T Bracket (310800)

For all medium format and 35mm cameras and all flash units. Flash arm swings clockwise for comfortable vertical shooting. Flash arm has built-in 3° downward tilt in both the horizontal and vertical position to provide better subject illumination. Dimensions are 9½ x 8 x 4½" (H.W.D.) Weighs 14 oz. Includes ¼"-20 threaded flash mount (requires shoe or handle mount for most flashes).

Item # **STPT**.....**82.95**



#### Pro-T/M Bracket (310807)

For Mamiya 6, 6MF and Mamiya 7. The base is configured to allow full access to all Mamiya baseplate controls. You can load film and change lenses easily without removing the camera from the bracket! This bracket also has a built-in camera anti-twist system. (Requires shoe or handle mount for most flashes.)

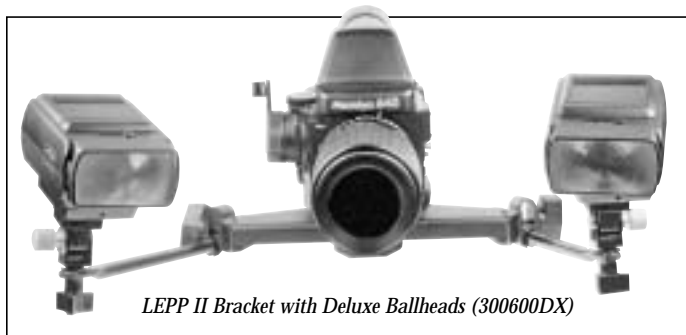
Item # **STPTM7**.....**96.95**

#### Press-T Bracket (310810)

The Press-T Bracket is a slightly shorter version of the Pro-T, without the 3° tilt. It is popular with photojournalists and other shooters who work out of a camera bag. Its dimensions are 7 x 7 x 4.5", and weighs just 11 oz.

Item # **STSTPT**.....**75.95**

### Specialty Brackets



LEPP II Bracket with Deluxe Ballheads (300600DX)

#### LEPP II Dual Flash Macro Bracket (300600)

For 35mm and compact medium format cameras with shoe mount flash units. Two fully adjustable 10" flash arms, with quick-locking knobs. Broad, flat mounting base with stainless steel tripod mount provides a stable, secure camera platform. Supplied with pivoting standard shoe mounts and cork camera pad. Dimensions: 3 x 12 x 10" (H.W.D.) Weighs 12 oz. Comes with two flash shoes.

Item # **STBL2**.....**82.95**

#### LEPP II Bracket with Deluxe Ballheads (300600DX)

Same as the LEPP II Dual Flash Macro Bracket (300600), with 2 Strob frame Shoe Mount Flash Ballheads. Shoe can be removed to accept ¼"-20 fittings on dedicated flash cords.

Item # **STBL2D**.....**110.50**



LEPP II Dual Flash Macro Bracket (300600)

# BRACKETS

## STROBOFRAME, *continued*

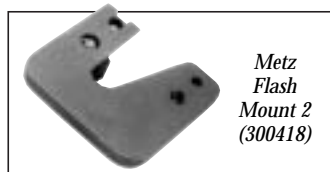
### Bracket Accessories

#### Flash Mounts

Stroboframe Brackets accept these interchangeable flash mounts:

**Shoe Type** (300SHO)  
For all standard shoe-type flash units, such as Vivitar 283, etc.  
**Item # STFMS .....9.95**

**Handle-Type** (300Han)  
For all handle-style flash units such as Metz 45, 60 and Sunpak handle mounts.  
**Item # STFMH .....12.95**



Metz  
Flash  
Mount 2  
(300418)

**Metz Flash Mount 2** (300418)  
Adds quick release capability for Metz flash and allows for height adjustment of Metz flash.  
**Item # STFMM2 .....15.95**

**Metz Flash Mount 3** (300428)  
**Item # STFMM3 .....19.95**

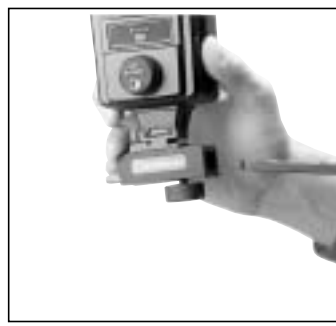
**Metz Flash Mount 4** (300438)  
**Item # STFMM4 .....19.95**

**¼"-20 Flash Mounting Knob** (903109)  
For dedicated cords, accessories and flash heads, such as Lumedyne and Norman.  
Replacement.  
**Item # STMKF .....2.95**

**Stroboframe Cable Release** (300409)  
Vinyl-covered. For all Stroboframe brackets with side grips. Replacement.  
**Item # STCR .....9.95**

**Norman 200B Extra Long Mounting Screw** (300413)  
To mount the Norman 200B or similar separate flash heads having an extra deep socket.  
**Item # STMSN .....1.95**

**Universal Flash Mount Arm** (300430)  
Converts original R4a, R7, R66a, RL/c and Mamiya 6 bracket to accept new Flash Quick Release. Accepts all Stroboframe flash mounts.  
**Item # STFMAU .....13.50**



**Flash Quick Release** (300QRF)  
Quickly mounts and dismounts any flash unit onto or off of Stroboframe flash brackets. Accepts Stroboframe shoe and handle-type flash mounts, and any flash with ¼"-20 thread. Clicks onto flash arm.. Safety spring locks into place. Fits RL2000, SQ2000, R4b, R66b, Pro-T and QR66.  
**Item # STQRF .....24.95**

Flash Quick  
Release  
(300QRF)  
shown with  
Shoe Type  
Bracket  
(300SHO)

#### METZ MOUNT APPLICATION CHART

BRACKET	FOR METZ 45 OR 60	FOR METZ 50-MZ-5	BRACKET	FOR METZ 45 OR 60	FOR METZ 50-MZ-5
RL-2000	Use 300-418	Use 300-428	Press-T	Use 300-418	Not recommended
R4/b	Use 300-418	Use 300-428	Pro-T/m	Use 300-418	Not recommended
Camera Flip	Use 300-418	Use 300-428	Pro-RL	Use 300-438	Use 300-438
QR66	Use 300-418	Use 300-428	Pro-SQ	Use 300-438	Use 300-438
HBG	Use 300-418	Use 300-428	Flash Umbrella	Use 300-418 or	Use 300-418 or
Pro-T	Use 300-418	Not recommended		Use 300-438	Use 300-438

#### Anti-Twist Plates

Register and lock-in camera position. Prevent camera from twisting on bracket platform. Mount via locating pins and lock screw. AT plates are recommended for use with RL2000, SQ2000, R4b, R66b Pro-T, Leap Brackets, Vertaflip PHD and Camera Auto Quick Release. AT Plates are required with Stroboflip VH2000.

#### 35mm CAMERA AT PLATES

MFG #	Description	Item #	Price
300-NF4	For Nikon F4	STATPNF4	10.95
300-BE1	For Nikon N90S, Canon EOS-1N, with BP-E1 and booster	STATPCE1N	10.95
300-NF5	For Nikon F5	STATPNF5	10.95
300-H35	For Nikon N90, and Nikon F4s with MB20 battery	STATPNF4SMB2	10.95
300-SLR	For all other 35mm SLR's	STATP35	10.95

#### MEDIUM FORMAT CAMERA AT PLATES

MFG #	Description	Item #	Price
300-MAM	For Mamiya 645, RB67, RZ67, and C330 models	STATPM	10.95
300-ETR	For all Bronica 6x4.5cm models	STATPBE	10.95
300-SQA	For all Bronica square format models	STATPBS	10.95
300-GS1	For Bronica GS-1	STATPBG	10.95
300-HAS	For all Hasselblad models	STATPH	10.95
300-PTX	For Pentax 645	STATPP645	10.95

#### CAMERA FLASH AT PLATES

(Mount between flash and flash arm to prevent flash from twisting)			
300-C17	For Nikon SC-17 dedicated cord	STATPNSC17	10.95
300-QFL	For Quantum Q-Flash	STATPOQ	10.95
300-LUM	For all Lumedyne flash heads	STATPL	10.95



# BRACKETS/CONVERTERS

## STRATOS BY SEIGELITE

### Modula Flash Bracket System for 35mm and Medium Format Cameras

Stratos brackets are precision machined black anodized 6061 aircraft aluminum. Modular design allows to switch between 35mm and medium format cameras by interchanging length or height posts. Models 1135 & 1200 feature a tilting strob mount with 15° tilt. Anti-fatigue, non-slip contour foam grip (on all models) are one of the most comfortable on the market today. Both the camera mount and the flash mounts are adjustable and the shoe has a built-in quick release. All brackets are designed with the professional in mind.

35mm Bracket  
with 8" Post (SI835)

Item # **STB358** .....**52.95**

35mm Bracket  
with 10" POST (SI1035)

Item # **STB3510** .....**54.95**

35mm Bracket with  
Micro Tilt Adjustment (SI1135)

Item # **STB35MTA** .....**88.95**

Medium format Bracket with  
Micro Tilt Adjustment (SI1200)

Item # **STBMFQ** .....**106.50**

### Stratos Accessories

#### Accessories

8" (20.3cm) Post (SI8P)

Item # **STP8** .....**29.95**

12" (30.5cm) Post (SI12P)

Item # **STP12** .....**33.95**

7 to 11" (17.8-27.9cm)

Adjustable Post (SI7211)

Item # **STPA** .....**53.95**

4" (10.2cm) Extension

for Adjustable Post (SIEAP)

Item # **STEAP** .....**23.95**

Metz Flash Adapter (SIMFA)

Item # **STMFA** .....**29.95**

Metz Sensor Adapter (SIMSA)

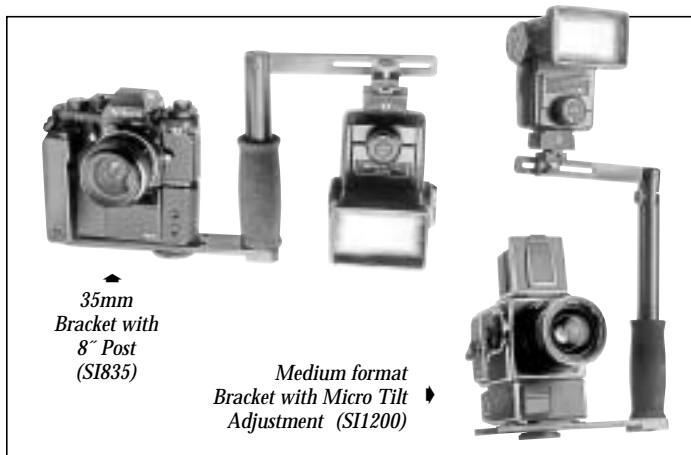
Item # **STMSA** .....**19.95**

20" Cable Release  
with Bracket Adapter

Item # **STCR20** .....**22.95**

Non-Rotating  
Arm Adapter (SINRAA)

Item # **STNRAA** .....**27.95**



### Siegelite

M2RT  
Flash  
Bracket  
(M2RT)

Fits most 35mm cameras. Adjustable extension rod for added height. Removable flash shoe holder. 5" long base plate. Built-in tripod socket and PC tip conditioner. Steel stud camera screw. Lightweight - weighs only 12½ oz.

Item # **SIM2RT** .....**64.95**

Bracket Umbrella Kit (BRUMK)

Consists of the M2RT bracket, 20" silver umbrella and UHBL umbrella holder.

Item # **SIUK** .....**123.95**

### View Camera Converter for Medium Format Cameras

Horseman View Camera  
Converter Body for Medium  
Format SLR (21801)

Transforms your medium format SLR to a view camera. The VCC attaches via a special adapter ring. Once in place, the photographer may use swing, tilt, shift and rise and fall movements.

Item # **HOVCC** .....**1,725.00**

#### Camera Mounts

Available for Pentax 67, Pentax 645 and Mamiya 645, which have focal plane shutters, eliminating the need for lens shutter operation.

Pentax 67 Mount (21881)

Item # **HOCMP67** .....**187.95**

Pentax 645 Mount (21882)

Item # **HOCMP645** .....**187.95**

Mamiya 645 Mount (21883)

Item # **HOCMM645** .....**187.95**



VCC Lens Units are available for medium format use. These lenses offer superb image sharpness, color fidelity and freedom from distortion.

VCC Lens Unit Rodagon

135mm F5.6 (21853)

Item # **HO13556VCC** .....**697.50**

VCC Lens Unit Rodagon

150mm F5.6 (21854)

Item # **HO15056VCC** .....**809.95**

VCC Lens Unit Rodagon

180mm F5.6 (21855)

Item # **HO18056VCC** .....**836.95**

### VCC SPECIFICATIONS

#### Usable lenses:

Large format lenses with fringe focal distance between 90mm and 300mm, mounted on #0 or #1 shutter.

Track Extension: 72mm

Tripod Socket: ¼" Std. thread

Lens Panel: 80 x 80mm

#### Camera Movements

(Front Standard):

Rise: 14mm, Fall: 14mm

Lateral Shift: 30mm (L/R) each

Swing: 15° (L/R)

Tilt: 15° forwards/backwards

Lateral Shift: 30mm (L/R)

Back Swing: 11° (L/R)

Back Tilt: 11° forward/backward

#### Camera Mount:

3 interchangeable mounts

#### Dimensions:

4.8x6.0x5.1" (122x153x130mm)

#### Weight:

2.53 lbs. (1.15kg)



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# POUCHES

## ZING, DELTA C.P.M., PERFECTED POUCHES

### Zing Pouches

Zing lens pouches and bags will shield your lens, flash, binoculars or personal stereo from damaging moisture, shock and dirt. The best nylon straps and plastic hardware add the quality touch to Zing's superior products. Accessory bags come standard with a shoulder strap, belt loops and a waist strap/harness. A secure hook and loop fastener keeps your equipment safe inside. Dimensions are 1½ x 5 x 7" (4 x 13 x 18cm).



Accessory Bag, Blue  
Item # **ZIABBL**...**19.95**

Accessory Bag, Red  
Item # **ZIABR**.....**19.95**

Accessory Bag, Green  
Item # **ZIABGR**..**19.95**

Accessory Bag, Black  
Item # **ZIABB**.....**19.95**

Lens pouches come with a belt loop and a plastic snaphook for easy carrying. A drawstring and a plastic cord-lock secure the pouch closed. Available in black, with a choice of color insides and tops.

Small Pouch Black/Black  
5 x 3¼" (12.7 x 8.3cm) HD. Black exterior, black interior.  
Item # **ZIPSB** .....**9.95**

Medium Pouch Black/Black  
6¾ x 3¼" (17 x 8.3cm) HD. Black exterior, black interior.  
Item # **ZIPMB**.....**10.95**

Large Pouch Black/Black  
9½ x 3¼" (24 x 9.5cm) HD. Black exterior, black interior.  
Item # **ZIPLB**.....**13.95**

Small Pouch Purple/Black  
Same as above with purple interior.  
Item # **ZIPSP**.....**9.95**

Medium Pouch Blue/Black  
Same as above with blue interior.  
Item # **ZIPMBL**.....**10.95**

Large Pouch Purple/Black  
Same as above with purple interior.  
Item # **ZIPLP**.....**13.95**

Small Pouch Blue/Black  
Same as above with blue interior.  
Item # **ZIPSBL**.....**9.95**

Medium Pouch Purple/Black  
Same as above with purple interior.  
Item # **ZIPMP**.....**10.95**

Large Pouch Blue/Black  
Same as above with blue interior.  
Item # **ZIPLBL**.....**13.95**

### Perfected Film Back Belt Pouches

Now carry that extra roll film magazine or cut film on your belt with safety. Both a spring-clip and a belt-loop are provided.

Film Back Belt Pouch HMP-1  
Fits Hasselblad, Bronica ETR and Pentax 645.  
Item # **PEBPHFB** .....**24.95**

Film Back Belt Pouch MMP-1  
Fits Mamiya RB, Bronica GS-1 and some pro meters.  
Item # **PEBPBEFB**.....**24.95**

Film Back Belt Pouch MSP-1  
Fits Bronica SQ, Mamiya Pro and Super.  
Item # **PEBPBSFB**.....**24.95**

Film Back Belt Pouch MMP-2  
Fits Mamiya 645 inserts.  
Item # **PEBPM645I**.....**24.95**

Film Back Belt pouch MMP-3  
Fits Mamiya RZ, and light and spot meters.  
Item # **PEBPMRZFB** .....**24.95**

Film Back Belt Pouch 451  
Holds four 4x5 cut film holders.  
Item # **PEBPFH45** .....**39.95**

Film Back Belt Pouch 452  
Fits Polaroid and NPC backs.  
Item # **PEBPPB**.....**33.50**



### B&H 4x5 Film Holder Pouch

Provides padded protection for up to six 4x5 film holders. It can be closed with Velcro, or zippered shut. A convenient mesh pocket on the front provides storage space for dark slides and accessories. It is constructed of tough denier fabric and ¼" high density padding. Sewn in belt loops allow it to be worn around the waist for quick access to your film holders. Available in black only.



4x5 Film Holder Pouch  
Item # **GBCFH45**.....**29.95**

### Delta C.P.M. ProPouch 911

Stores, protects and organizes your valuable equipment. Perfect for lenses, light meters,, film backs, film, filters, etc. High density foam provides maximum insulation and shock protection. Velcro closures. Ultralite is made of strong black parachute nylon with a weight of 2.5 oz. Cordura is a rugged high-abrasion, water resistant pouch for tough handling in any environment.



ProPouch 911  
High-abrasion water resistant pouch. Made of rugged cordura. 9 x 11".  
Item # **DEPP911C** .....**23.95**

ProPouch 911with Lead Shield  
High-abrasion water resistant pouch with lead shield. Made of rugged cordura. 9 x 11".  
Item # **DEPP911LS**.....**37.95**

### SeaKing Diver's Dry Box

Keeps your important photographic items dry at depths of up to 30'. Made of high-impact ABS plastic with stainless steel hinge and O-ring seal. Comes with web carrying strap. Dimensions are 5¼ x 8½ x 6" DLW. Blue color with translucent top.



SeaKing Diver's Dry Box  
Item # **SE585BL**.....**32.50**

For more pouches, see the "Bags and Cases" section of this catalog

# POUCHES, PROTECTIVE WRAPS

MC PHOTOGRAPHIC

MC Photographic lens wraps, protective pouches, and camera cases are as tough as they come — on the outside. Inside, they are softies! Thick, shock-absorbing padding is combined with a soft, plush covering. Lens wraps and filter wallets close securely with velcro seals. The padded stuffsacks have a self-locking drawstring. An assortment of bright, recognizable colors, make it easy to locate each protected item. MC Photographic — American made products for the serious photographer.

MC Wraps and Pouches come in many colors. The codes for these colors are as follows:

**Black =B, Grey =G, Green =GR, Light Blue =LB, Light Green =LG Navy =N, Orange =O, Red =R, Tan =T, Yellow =Y.**

To order, please insert color code into blank space.

## Heavy Duty Lens Wraps

Heavy Duty Lens Wraps allow you to pack expensive lenses and light meters quickly and securely. These easy-to-use versatile wraps can protect a variety of shapes.

**Square Lens Wrap** (0701\_)  
11". (28cm).  
**Item # MCLW11\_ .....12.50**

**Square Lens Wrap** (0702\_)  
15". (38cm).  
**Item # MCLW15\_ .....14.95**

**Square Lens Wrap** (0703\_)  
19". (48cm).  
**Item # MCLW19\_ .....19.95**



## Deep Pouches

Deep Pouches are perfect for protecting larger items such as binoculars, CDs, cut film holders or even large format lenses that are mounted onto lens-boards.

**Small Deep Pouch** (0730\_)  
Dimensions: 5½ x 6½ x 1½".  
(14x16.5x3.8 cm).  
**Item # MCDPS\_ .....16.95**

**Medium Deep Pouch** (0730\_)  
Dimensions: 7½ x 8½ x 1½".  
(19x21.6x3.8 cm).  
**Item # MCDPM\_ .....19.95**

## Tough Protective Pouches

Fast and secure, these pouches are perfect for protecting items with sharp corners. They can be used for Polaroid film backs, rollfilm



backs, tripod heads, magnifiers and loupes. The Small and Extra Small pouches are ideal for point and shoot cameras. And, with handy belt loops, carrying compact cameras, binoculars and lightmeters has become easier than ever.

**5x5" Wratten/Cokin Pouch** (0705\_)  
**Item # MCFWC55\_ .....9.95**

**Lightmeter Pouch** (0706\_)  
5½ x 8½". (14 x 21.6cm).  
**Item # MCMP\_ .....14.95**

**Extra Small Pouch** (0708\_)  
4x6". (10.2 x 15.2 cm).  
**Item # MCPP6\_ .....9.95**

**Small Pouch** (0709\_)  
5½ x 6½". (14 x 16.5 cm).  
**Item # MCPP6.5\_ .....13.95**

**Medium Pouch** (0710\_)  
8 x 8". (20.3 x 20.3 cm).  
**Item # MCPP8\_ .....17.50**

**Large Pouch** (0711\_)  
7½ x 10½". (19 x 26.7 cm).  
**Item # MCPP10.5\_ .....18.50**

**X-Large Pouch** (0712\_)  
10 x 10". (25.4 x 25.4 cm).  
**Item # MCPP10\_ .....19.50**

## Stuff Sacks

Stuff sacks provide the needed padding to protect delicate odd shaped equipment that needs to go into bulk type cases. A handy self locking drawstring completes the protection.



**Extra Small Stuff Sack** (0704\_)  
4 x 4 x 9". (10.2x10.2x22.9cm).  
**Item # MCSS449\_ .....14.95**

**Medium Stuff Sack** (0720\_)  
11 x 18 x 11". (27.9 x 45.7 x 27.9cm).  
**Item # MCSS111811\_ .....27.95**

**Small Stuff Sack** (0719\_)  
6 x 12 x 6". (15.2x30.5x15.2cm).  
**Item # MCSS6126\_ .....17.50**

## Film Back Protective Pouches

Same as Tough Protective Pouches, but exclusively for roll film holders and backs.

**Film Back Pouch** (0704\_)  
For 6 x 9 film backs.  
**Item # MCFBP\_ .....17.95**

**Film Back Pouch** (0707\_)  
For 4 x 5 film backs.  
**Item # MCFBP45\_ .....19.95**

**Film Back Pouch** (0734\_)  
For Hasselblad film backs.  
**Item # MCFBPH\_ .....14.50**

**Film Back Pouch** (0736\_)  
For Polaroid film backs. 10½ x 6½". (26.7 x 16.5 cm).  
**Item # MCFBPP\_ .....19.50**

**Film Back Pouch** (0737\_)  
For Calumet C22 film backs. 10½ x 6½". (27.6 x 16.5 cm).  
**Item # MCFBPCC2\_ .....19.95**

## Mesh-Faced Pouches

Mesh Faced Pouches provide the needed protection for small and odd shaped equipment that needs to go into larger cases. They are see thru and easy to find.

**Flat Zippered Pouch** (0714\_)  
5x7". (12.7x17.8cm).  
**Item # MCP57\_ .....7.95**

**Film Block Pouch** (0713\_)  
8x10x3". (20.3x25.4x7.6cm).  
**Item # MCPFB\_ .....9.95**

**Credential Pouch** (0795\_)  
4¾ x 6½". (12 x 16.5cm).  
**Item # MCCP\_ .....24.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# PROTECTIVE WRAPS

## WRAPS, LENS POUCHES

### Domke Protective Wraps

Constructed of padded Velcro-compatible knit with a protective backing. These squares can be wrapped around lenses, tools, or anything that will fit inside. Velcro tabs on all four corners allow wrap to be self-secured in any configuration. Available in different colors for quick identification.

11" (28cm) PROTECTIVE WRAP	15" (38cm) PROTECTIVE WRAP	19" (48cm) PROTECTIVE WRAP
Black Protective Wrap Item # DOPW11B .....9.95	Black Protective Wrap Item # DOPW15B .....12.50	Black Protective Wrap Item # DOPW19B .....13.50
Red Protective Wrap Item # DOPW11R .....9.95	Red Protective Wrap Item # DOPW15R .....12.50	Red Protective Wrap Item # DOPW19R .....13.50
Yellow Protective Wrap Item # DOPW11Y .....9.95	Yellow Protective Wrap Item # DOPW15Y .....12.50	Yellow Protective Wrap Item # DOPW19Y .....13.50
Gray Protective Wrap Item # DOPW11G .....9.95	Gray Protective Wrap Item # DOPW15G .....12.50	Gray Protective Wrap Item # DOPW19G .....13.50



### Op/Tech Soft Wrap

Extra protection for lenses, cameras, light meters, small tripods and monopods. An extra 5" pad within the wrap can be moved around to provide added protection. Black exterior, with a choice of interior colors.



Soft Wrap 11" (28cm) Royal Blue Interior Item # OPSW11RB .....9.95	Soft Wrap 15" (38cm) Royal Blue Interior Item # OPSW15RB .....12.50	Soft Wrap 19" (48cm) Royal Blue Interior Item # OPSW19RB .....13.50
Soft Wrap 11" (28cm) Gray Interior Item # OPSW11G .....9.95	Soft Wrap 15" (38cm) Gray Interior Item # OPSW15G .....12.50	Soft Wrap 19" (48cm) Gray Interior Item # OPSW19G .....13.50
Soft Wrap 11" (28cm) Red Interior Item # OPSW11R .....9.95	Soft Wrap 15" (38cm) Red Interior Item # OPSW15R .....12.50	Soft Wrap 19" (48cm) Red Interior Item # OPSW19R .....13.50
Soft Wrap 11" (28cm) Green Interior Item # OPSW11GR .....9.95	Soft Wrap 15" (38cm) Green Interior Item # OPSW15GR .....12.50	Soft Wrap 19" (48cm) Green Interior Item # OPSW19GR .....13.50

### B&H Lens Wrap

The ultimate protection for lenses, cameras and fragile accessories. Tough denier outer shell,  $\frac{3}{16}$ " open foam interior, and soft tempo lining protects contents. All corners contain Velcro, allowing any corner to be securely fastened onto another. Available in black.



Lens Wrap 11" (28cm) Item # GBLW11 .....9.95	Lens Wrap 15" (38cm) Item # GBLW15 .....11.95	Lens Wrap 18" (46cm) Item # GBLW18 .....13.95
---	--	--

### Delta C.P.M. PhotoWrap

Heavy padded cloth wrap. Completely adjustable with Velcro closures, it affordably protects expensive equipment.

PhotoWrap 19 x 19" Item # DEPW .....14.95
--

### Lens Pouches

B&H lens pouches provide protection for lenses. These cases can be worn on a belt, or Velcro'd to a camera bag strap. The lens pouches also include two compression straps to tighten lenses into lens pouch. They are constructed of tough denier fabric and  $\frac{1}{4}$ " high density padding. Holds lenses with a diameter of up to 4" (10cm). Available in black only.

Lens Pouch 7½" H (21cm) 4" Diameter (10cm) Item # GBLP7.5 .....12.95	Lens Pouch 11" H (28cm) 4¾" Diameter (12cm) Item # GBLP11 .....18.95
--	--

### Galen Rowell Lens Cases

Designed to fit waistbelts, the Galen Rowell lens cases have a double-sewn #8 self-healing zipper, and is made from smooth abrasion-free nylon packcloth material. Compression straps keep the lens from falling out with the top open.

Lens Case 8" H (20cm) 4" Diameter (10cm) Item # GALCB .....12.95	Lens Case 11" H (28cm) 5" Diameter (13cm) Item # GALCLB .....19.95
--	--



# LENS CAPS

## GENERIC, TIFFEN LENS CAPS

### Snap-On Lens Caps

SIZE	GENERIC BRAND		TIFFEN	
37mm Snap-On Lens Cap	Item # GBLC37	4.95	-	-
40.5mm Snap-On Lens Cap	-	-	Item # TILC40.5	8.95
43mm Snap-On Lens Cap	Item # BOLC43	4.95	-	-
43.5mm Snap-On Lens Cap	Item # BOLC43.5	4.95	-	-
46mm Snap-On Lens Cap	Item # GBLC46	4.95	-	-
48mm Snap-On Lens Cap	Item # GBLC48	4.95	-	-
49mm Snap-On Lens Cap	Item # GBLC49	4.95	Item # TILC49	8.95
52mm Snap-On Lens Cap	Item # GBLC52	4.95	Item # TILC52	8.95
55mm Snap-On Lens Cap	Item # GBLC55	4.95	Item # TILC55	8.95
58mm Snap-On Lens Cap	Item # GBLC58	4.95	Item # TILC58	8.95
62mm Snap-On Lens Cap	Item # GBLC62	5.95	Item # TILC62	9.95
67mm Snap-On Lens Cap	Item # GBLC67	5.95	Item # TILC67	9.95
72mm Snap-On Lens Cap	Item # GBLC72	5.95	Item # TILC72	9.95
77mm Snap-On Lens Cap	Item # GBLC77	5.95	-	-
Pentax 82mm Snap-On Lens Cap	Item # GBLC82	11.95	-	-
Tamron 112mm Snap-On Lens Cap	Item # TALC112	24.95	-	-

### Sima Cap Keepers

Prevents lens cap loss with adhesive-backed disc attached lens cap. CK1 attaches to a strap lug on the camera. CK2 has an elastic band which fits around the lens barrel for use with SLR type cameras. CK3 is a retractable reel type retainer which attaches to the tripod socket. It has attachments for 4 lens caps.



Cap Keeper 1 (CK1)

Item # SICK1 .....1.99

Cap Keeper 2 (CK2)

Item # SICK2 .....1.99

Cap Keeper 3 (CK3)

Item # SICK3 .....3.95

### Metal Filter Stack Caps

Metal Filter Stack Caps protect filters from dust and scratches while they are not being used. Simply screw the filters together, then screw these stack caps on the top and bottom. Great for storing filters when not in use!

62mm Stack Cap Set

Item # GBSC62 .....16.95

72mm Stack Cap Set

Item # GBSC72 .....16.95

67mm Stack Cap Set

Item # GBSC67 .....16.95

77mm Stack Cap Set

Item # GBSC77 .....16.95

### Metal Screw-In Lens Caps

46mm Stack Cap Set

Item # GBSC46 .....12.95

48mm Stack Cap Set

Item # GBSC48 .....12.95

49mm Stack Cap Set

Item # GBSC49 .....12.95

52mm Stack Cap Set

Item # GBSC52 .....12.95

55mm Stack Cap Set

Item # GBSC55 .....12.95

58mm Stack Cap Set

Item # GBSC58 .....12.95

SIZE	GENERIC BRAND	
24mm Cap	Item # BOLCM24	7.95
25.5mm Cap	Item # BOLCM25.5	7.95
30.5mm Cap	Item # BOLCM30.5	7.95
35.5mm Cap	Item # BOLCM35.5	7.95
37.5mm Cap	Item # BOLCM37.5	7.95
39mm Cap	Item # BOLCM39	7.95
40.5mm Cap	Item # BOLCM40.5	7.95
43mm Cap	Item # BOLCM43	7.95
43.5mm Cap	Item # BOLCM43.5	7.95
46mm Cap	Item # GBLCM46	7.95

SIZE	GENERIC BRAND		TIFFEN	
48mm Cap	Item # GBLCM48	7.95	-	-
49mm Cap	Item # GBLCM49	7.95	Item # TILCM49	11.95
52mm Cap	Item # GBLCM52	7.95	Item # TILCM52	11.95
55mm Cap	Item # GBLCM55	7.95	Item # TILCM55	11.95
58mm Cap	Item # GBLCM58	9.95	Item # TILCM58	11.95
62mm Cap	Item # GBLCM62	9.95	Item # TILCM62	14.95
67mm Cap	Item # GBLCM67	9.95	Item # TILCM67	14.95
72mm Cap	Item # GBLCM72	9.95	Item # TILCM72	23.95
77mm Cap	Item # GBLCM77	9.95	Item # TILCM77	23.95
Series 9 Cap	-	-	Item # TILCMS9	32.95



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# LENS HOODS

GENERIC BRAND, TIFFEN, HOYA, HAMA

## Rubber Lens Hoods

Prevents light from entering the lens from extreme angles. Can be folded back and left on camera. Double threaded to accept filters.

SIZE	GENERIC BRAND		TIFFEN	
	Item #	Price	Item #	Price
24mm Rubber Lens Hood	GBLH24	5.95	—	—
25.5mm Rubber Lens Hood	GBLH25.5	5.95	—	—
30.5mm Rubber Lens Hood	GBLH30.5	5.95	—	—
37.5mm Rubber Lens Hood	GBLH37.5	5.95	—	—
40.5mm Rubber Lens Hood	GBLH40.5	5.95	TILH40.5	11.95
43mm Rubber Lens Hood	GBLH43	5.95	—	—
43.5mm Rubber Lens Hood	GBLH43.5	5.95	—	—
46mm Rubber Lens Hood	GBLH46	4.95	TILH46	11.95
48mm Rubber Lens Hood	GBLH48	4.95	—	—

SIZE	GENERIC BRAND		TIFFEN	
	Item #	Price	Item #	Price
49mm Rubber Lens Hood	GBLH49	4.95	TILH49	11.95
52mm Rubber Lens Hood	GBLH52	4.95	TILH52	11.95
55mm Rubber Lens Hood	GBLH55	4.95	TILH55	11.95
58mm Rubber Lens Hood	GBLH58	4.95	TILH58	11.95
62mm Rubber Lens Hood	GBLH62	5.95	TILH62	12.95
67mm Rubber Lens Hood	GBLH67	5.95	TILH67	12.95
72mm Rubber Lens Hood	GBLH72	5.95	TILH72	15.95
77mm Rubber Lens Hood	GBLH77	5.95	TILH77	15.95
Series 9 Rubber Lens Hood	—	—	TILHS9	62.95

## Wide-Angle Lens Hoods

Similar to regular collapsible hoods, but designed for wide-angle lenses. Prevent glare and improve contrast in your pictures and slides.

SIZE	GENERIC BRAND		TIFFEN	
	Item #	Price	Item #	Price
46mm Wide-Angle Rubber Lens Hood	—	—	TILHWA46	14.95
49mm Wide-Angle Rubber Lens Hood	GBLHWA49	7.95	TILHWA49	14.95
52mm Wide-Angle Rubber Lens Hood	GBLHWA52	7.95	TILHWA52	14.95
55mm Wide-Angle Rubber Lens Hood	GBLHWA55	7.95	TILHWA55	14.95
58mm Wide-Angle Rubber Lens Hood	GBLHWA58	7.95	TILHWA58	14.95
62mm Wide-Angle Rubber Lens Hood	GBLHWA62	8.95	TILHWA62	15.95
67mm Wide-Angle Rubber Lens Hood	GBLHWA67	8.95	TILHWA67	15.95
72mm Wide-Angle Rubber Lens Hood	GBLHWA72	12.95	TILHWA72	19.95
77mm Wide-Angle Rubber Lens Hood	GBLHWA77	14.95	TILHWA77	19.95
Ser 9 Wide-Angle Rubber Lens Hood			TILHWAS9	98.95
4 1/2" Wide-Angle Rubber Lens Hood			TILHWA4.5	98.95

## Metal Lens Hoods

Screw-on metal hood for standard and telephoto lenses

SIZE	GENERIC BRAND		TIFFEN	
	Item #	Price	Item #	Price
46mm Metal Lens Hood	—	—	TILHM46	9.95
49mm Metal Lens Hood	GBLHM49	9.95	TILHM49	11.95
52mm Metal Lens Hood	GBLHM52	9.95	TILHM52	11.95
55mm Metal Lens Hood	GBLHM55	10.95	TILHM55	11.95
58mm Metal Lens Hood	GBLHM58	10.95	TILHM58	12.95
62mm Metal Lens Hood	GBLHM62	11.95	TILHM62	14.95
67mm Metal Lens Hood	GBLHM67	12.95	TILHM67	14.95
72mm Metal Lens Hood	GBLHM72	12.95	TILHM72	19.50
77mm Metal Lens Hood	GBLHM77	18.95	TILHM77	19.50
Series 9 Metal Lens Hood	—	—	TILHMS9	62.95
138mm Metal Lens Hood	—	—	TILHM138	218.50
4 1/2" Metal Lens Hood	—	—	TILHMA4.5	108.95

## HAMA Zoom Lens Hoods "Telematic S"

Made of acid-proof, temperature insensitive, matte black rubber. This universal lens hood is adjustable in steps to cover all focal lengths between 24 and 210mm.

	Accepts Filter	Mfr. #	Item #	Price
49mm Zoom Lens Hood	52mm	92949	HALHZ49	19.95
52mm Zoom Lens Hood	55mm	92952	HALHZ52	19.95
55mm Zoom Lens Hood	58mm	92955	HALHZ55	19.95
58mm Zoom Lens Hood	62mm	92958	HALHZ58	19.95
62mm Zoom Lens Hood	67mm	92962	HALHZ62	24.50
67mm Zoom Lens Hood	72mm	92967	HALHZ67	24.50
72mm Zoom Lens Hood	77mm	92972	HALHZ72	24.50
77mm Zoom Lens Hood	77mm	92977	HALHZ77	24.50

## HOYA Multi-Lens Hoods

Protects the lens from direct light. Most suitable for zoom lenses, tele, wide and standard lenses (35mm to 200mm). Easy-to-use.

	Item #	Price
49mm Multi-Angle Rubber Lens Hood	HOLHMA49	15.95
52mm Multi-Angle Rubber Lens Hood	HOLHMA52	15.95
55mm Multi-Angle Rubber Lens Hood	HOLHMA55	15.95
58mm Multi-Angle Rubber Lens Hood	HOLHMA58	15.95
62mm Multi-Angle Rubber Lens Hood	HOLHMA62	19.95
67mm Multi-Angle Rubber Lens Hood	HOLHMA67	19.95
72mm Multi-Angle Rubber Lens Hood	HOLHMA72	19.95
77mm Multi-Angle Rubber Lens Hood	HOLHMA77	19.95

**Most Orders Shipped Within 24 Hours**

# STEPPING RINGS

## STEP-UP RINGS

### Step-Up Rings

Ultra-thin step-up rings change size of front of camera/lens threads. One size accessory can be used on different size lenses. First size shown screws into your lens, following size is what your new accessory size is now. Step-up rings can also be combined for new accessory size.

SIZE			GENERIC BRAND		TIFFEN	
Lens Thread	Filter Thread		Item #	Price	Item #	Price
25.5mm	to 37mm		GBSUR25.537	9.95	—	—
25.5mm	to 46mm		GBSUR25.546	9.95	—	—
27mm	to 37mm		GBSUR2737	9.95	—	—
27mm	to 46mm		GBSUR2746	9.95	—	—
30.5mm	to 37mm		GBSUR30.537	9.95	—	—
30.5mm	to 46mm		GBSUR30.546	9.95	—	—
32.5mm	to 37mm		GBSUR32.537	9.95	—	—
32.5mm	to 46mm		GBSUR32.546	9.95	—	—
34mm	to 37mm		GBSUR3437	9.95	—	—
34mm	to 46mm		GBSUR3446	9.95	—	—
36mm	to 37mm		GBSUR3637	9.95	—	—
36mm	to 46mm		GBSUR3646	9.95	—	—
37mm	to 37mm		GBSUR3737	5.95	—	—
37mm	to 43mm		GBSUR3743	9.95	—	—
37mm	to 46mm		GBSUR3746	9.95	TISUR3746	8.50
37mm	to 49mm		GBSUR3749	9.95	TISUR3749	11.95
37mm	to 52mm		GBSUR3752	9.95	—	—
37mm	to 58mm		GBSUR3758	9.95	—	—
39mm	to 46mm		GBSUR3946	9.95	—	—
39mm	to 49mm		GBSUR3949	12.95	TISUR3949	11.95
40.5mm	to 46mm		GBSUR40.546	9.95	—	—
40.5mm	to 49mm		GBSUR40.549	9.95	TISUR40.549	11.95
43mm	to 46mm		GBSUR4346	9.95	—	—
43mm	to 48mm		GBSUR4348	9.95	—	—
43mm	to 49mm		GBSUR4349	9.95	TISUR4349	11.95
43.5mm	to 46mm		GBSUR43.546	9.95	—	—
43.5mm	to 48mm		GBSUR43.548	9.95	—	—
46mm	to 48mm		GBSUR4648	5.95	TISUR4648	8.50
46mm	to 49mm		GBSUR4649	5.95	TISUR4649	8.50
46mm	to 52mm		GBSUR4652	5.95	TISUR4652	8.50
46mm	to 55mm		GBSUR4655	5.95	TISUR4655	8.50
46mm	to 58mm		GBSUR4658	5.95	TISUR4658	8.50
48mm	to 49mm		GBSUR4849	5.95	—	—
48mm	to 52mm		GBSUR4852	5.95	TISUR4852	8.50
48mm	to 55mm		GBSUR4855	5.95	TISUR4855	8.50
48mm	to 58mm		GBSUR4858	5.95	TISUR4858	8.50
49mm	to 52mm		GBSUR4952	5.95	TISUR4952	8.50
49mm	to 55mm		GBSUR4955	5.95	TISUR4955	8.50
49mm	to 58mm		GBSUR4958	5.95	TISUR4958	8.50
49mm	to 62mm		GBSUR4962	8.95	TISUR4962	11.95
49mm	to 67mm		GBSUR4967	8.95	TISUR4967	19.95
49mm	to 72mm		GBSUR4972	9.95	TISUR4972	19.95

SIZE			GENERIC BRAND		TIFFEN	
Lens Thread	Filter Thread		Item #	Price	Item #	Price
49mm	to 77mm		GBSUR4977	9.95	TISUR4977	19.95
52mm	to 55mm		GBSUR5255	5.95	TISUR5255	8.50
52mm	to 58mm		GBSUR5258	5.95	TISUR5258	8.50
52mm	to 62mm		GBSUR5262	5.95	TISUR5262	11.95
52mm	to 67mm		GBSUR5267	9.95	TISUR5267	19.95
52mm	to 72mm		GBSUR5272	9.95	TISUR5272	19.95
52mm	to 77mm		GBSUR5277	9.95	TISUR5277	19.95
55mm	to 58mm		GBSUR5558	5.95	TISUR5558	8.50
55mm	to 60mm		GBSUR5560	0.00	—	—
55mm	to 62mm		GBSUR5562	5.95	TISUR5562	11.95
55mm	to 67mm		GBSUR5567	9.95	TISUR5567	19.95
55mm	to 72mm		GBSUR5572	9.95	TISUR5572	19.95
55mm	to 77mm		GBSUR5577	9.95	TISUR5577	19.95
58mm	to 60mm		GBSUR5860	14.95	—	—
58mm	to 62mm		GBSUR5862	5.95	TISUR5862	11.95
58mm	to 67mm		GBSUR5867	9.95	TISUR5867	19.95
58mm	to 72mm		GBSUR5872	9.95	TISUR5872	19.95
58mm	to 77mm		GBSUR5877	9.95	TISUR5877	19.95
60mm	to 62mm		GBSUR6062	14.95	TISUR6062	19.95
60mm	to 67mm		GBSUR6067	14.95	—	—
62mm	to 67mm		GBSUR6267	9.95	TISUR6267	19.95
62mm	to 72mm		GBSUR6272	9.95	TISUR6272	19.95
62mm	to 77mm		GBSUR6277	9.95	TISUR6277	19.95
62mm	to 82mm		GBSUR6282	14.95	—	—
67mm	to 72mm		GBSUR6772	14.95	TISUR6772	19.95
67mm	to 77mm		GBSUR6777	14.95	TISUR6777	19.95
67mm	to 82mm		GBSUR6782	14.95	—	—
67mm	to 95mm		GBSUR6795	39.95	—	—
67mm	to 105mm		GBSUR67105	39.95	—	—
72mm	to 77mm		GBSUR7277	14.95	TISUR7277	19.95
72mm	to 82mm		GBSUR7282	14.95	TISUR7282	28.50
72mm	to 95mm		GBSUR7295	39.95	—	—
72mm	to 105mm		GBSUR72105	39.95	—	—
77mm	to 82mm		GBSUR7782	14.95	TISUR7782	19.95
77mm	to 95mm		GBSUR7795	39.95	—	—
77mm	to 105mm		GBSUR77105	39.95	—	—
82mm	to 95mm		GBSUR8295	39.95	—	—
82mm	to 105mm		GBSUR82105	39.95	—	—
86mm	to 95mm		GBSUR8695	39.95	—	—
86mm	to 105mm		GBSUR86105	39.95	—	—
95mm	to 105mm		GBSUR95105	39.95	—	—
4 1/2"	to 138mm		—	—	TISUR4.5138	219.95

# STEPPING RINGS

## SERIES AND BAYONET STEP-UP RINGS

### Series and Bayonet Step-Up Rings

SIZE		GENERIC BRAND		TIFFEN	
Lens Thread	Filter Thread	Item #	Price	Item #	Price
Series 5	to Series 6	GBSURS5S6	8.95	—	—
Series 5	to Series 7	GBSURS5S7	8.95	—	—
Series 6	to Series 7	GBSURS6S7	8.95	TISURS6S7	19.95
Series 7	to Series 8	GBSURS7S8	8.95	TISURS7S8	19.95
Series 8	to Series 9	GBSURS8S9	17.95	—	—
Series 7	to 55mm	GBSURS755	17.95	TISURS755	19.95
Hasselblad B-50	to 52mm	GBSDRB5052	15.95	—	—
Hasselblad B-50	to 55mm	GBSURB5055	15.95	TISURB5055	15.95
Hasselblad B50	to 58mm	GBSURB5058	15.95	—	—

SIZE		GENERIC BRAND		TIFFEN	
Lens Thread	Filter Thread	Item #	Price	Item #	Price
Hasselblad B50	to 62mm	GBSURB5062	15.95	—	—
Hasselblad B50	to 60mm	GBSURB50B60	39.95	—	—
Hasselblad B60	to 67mm	GBSURB6067	15.95	TISURB6067	28.50
Hasselblad B60	to 77mm	GBSURB6067	24.95	TISURB6077	28.50
Hasselblad B50	to B60	GBSURB50B60	39.95	—	—
Rollei B6	to 67mm	GBSURB667	39.95	—	—
Rollei B6	to 72mm	GBSURB672	39.95	—	—
Rollei B6	to 77mm	GBSURB677	39.95	—	—
Hassel. B60 to Series 8 Adapter Ring		GBARB60S8	39.95	—	—

## ADAPTER RINGS

### Series 7 Adapter Rings

All Series 7 adapter rings come without retaining ring.

30.5mm-S7 Item # GBAR30.5S7.....7.95	43mm-S7 Item # GBAR43S7.....7.95	52mm-S7 Item # GBAR52S7.....9.95	67mm-S7 Item # GBAR67S7.....9.95
34mm-S7 Item # GBAR34S7.....7.95	43.5mm-S7 Item # GBAR43.5S7.....7.95	54/52mm-S7 Item # GBAR5452S7.....9.95	72mm-S7 Item # GBAR72S7.....9.95
35.5mm-S7 Item # GBAR35.5S7.....7.95	46mm-S7 Item # GBAR46S7.....7.95	55mm-S7 Item # GBAR55S7.....9.95	77mm-S7 Item # GBAR77S7.....9.95
37mm-S7 Item # GBAR37S7.....7.95	48mm-S7 Item # GBAR48S7.....6.95	58mm-S7 Item # GBAR58S7.....9.95	Series 7 Retaining Ring Item # GBRRS7.....4.95
40.5mm-S7 Item # GBAR40.5S7.....7.95	49mm-S7 Item # GBAR49S7.....6.95	62mm-S7 Item # GBAR62S7.....8.50	

### Series 5 Adapter Rings

All Series 5 adapter rings come without retaining ring.

24mm-S5 Item # GBAR24S5.....7.95	30.5mm-S5 Item # GBAR30.5S5.....7.95	40.5mm-S5 Item # GBAR40.5S5.....6.95	48mm-S5 Item # GBAR48S5.....6.95
25.5mm-S5 Item # GBAR25.5S5.....7.95	37.5mm-S5 Item # GBAR37.5S5.....7.95	43mm-S5 Item # GBAR43S5.....6.95	Minox GL/GT-S5 Item # GBARMS5.....9.95
27mm-S5 Item # GBAR27S5.....7.95	39mm-S5 Item # GBAR39S5.....6.95	43.5mm-S5 Item # GBAR43.5S5.....6.95	Series 5 Retaining Ring Item # GBRRS5.....4.95
29.5mm-S5 Item # GBAR29.5S5.....7.95		46mm-S5 Item # GBAR46S5.....6.95	

Equipment Leasing Available



# STEPPING RINGS

## STEP-DOWN RINGS

Ultra thin step-down rings change size of front of camera/lens threads. One size accessory can be used on different size lens. When using step-down rings on wide-angle lenses, it is not advised to use much smaller accessories than the lens being used because of possibility of vignetting. First size is the lens thread, following size is the filter thread.

SIZE			GENERIC BRAND		TIFFEN	
Lens Thread	Filter Thread		Item #	Price	Item #	Price
40.5mm	to 37mm		GBSDR40.537	9.95	—	—
43mm	to 37mm		GBSDR4337	9.95	—	—
43.5mm	to 37mm		GBSDR43.537	9.95	—	—
46mm	to 37mm		GBSDR4637	9.95	—	—
46mm	to 40.5mm		GBSDR4640.5	9.95	—	—
46mm	to 43mm		GBSDR4643	9.95	—	—
46mm	to 43.5mm		GBSDR4643.5	9.95	—	—
48mm	to 40.5mm		GBSDR4840.5	9.95	—	—
48mm	to 43mm		GBSDR4843	9.95	—	—
48mm	to 43.5mm		GBSDR4843.5	9.95	—	—
48mm	to 46mm		GBSDR4846	5.95	TISDR4846	8.50
49mm	to 37mm		GBSDR4937	5.95	—	—
49mm	to 46mm		GBSDR4946	5.95	TISDR4946	8.50
49mm	to 48mm		GBSDR4948	5.95	TISDR4948	8.50
52mm	to 46mm		GBSDR5246	5.95	TISDR5246	8.50
52mm	to 48mm		GBSDR5248	5.95	TISDR5248	8.50
52mm	to 49mm		GBSDR5249	5.95	TISDR5249	8.50
55mm	to 46mm		GBSDR5546	5.95	TISDR5546	8.50
55mm	to 48mm		GBSDR5548	5.95	TISDR5548	8.50
55mm	to 49mm		GBSDR5549	5.95	TISDR5549	8.50
55mm	to 52mm		GBSDR5552	5.95	TISDR5552	8.50
58mm	to 46mm		GBSDR5846	5.95	TISDR5846	8.50
58mm	to 48mm		GBSDR5848	5.95	TISDR5848	8.50
58mm	to 49mm		GBSDR5849	5.95	TISDR5849	8.50
58mm	to 52mm		GBSDR5852	5.95	TISDR5852	8.50
58mm	to 55mm		GBSDR5855	5.95	TISDR5855	8.50
60mm	to 55mm		GBSDR6055	14.95	TISDR6055	19.95

SIZE			GENERIC BRAND		TIFFEN	
Lens Thread	Filter Thread		Item #	Price	Item #	Price
62mm	to 49mm		GBSDR6249	6.95	TISDR6249	11.95
62mm	to 52mm		GBSDR6252	6.95	TISDR6252	11.95
62mm	to 55mm		GBSDR6255	6.95	TISDR6255	11.95
62mm	to 58mm		GBSDR6258	6.95	TISDR6258	11.95
67mm	to 52mm		GBSDR6752	10.95	—	—
67mm	to 55mm		GBSDR6755	10.95	—	—
67mm	to 58mm		GBSDR6758	9.95	—	—
67mm	to 62mm		GBSDR6762	9.95	TISDR6762	19.95
72mm	to 55mm		GBSDR7255	14.95	—	—
72mm	to 58mm		GBSDR7258	14.95	—	—
72mm	to 62mm		GBSDR7262	10.95	—	—
72mm	to 67mm		GBSDR7267	10.95	TISDR7267	19.95
77mm	to 62mm		GBSDR7762	10.95	—	—
77mm	to 67mm		GBSDR7767	10.95	—	—
77mm	to 72mm		GBSDR7772	10.95	TISDR7772	19.95
82mm	to 67mm		GBSDR8267	19.95	—	—
82mm	to 72mm		GBSDR8272	19.95	—	—
82mm	to 77mm		GBSDR8277	19.95	—	—
Series 6	to Series 5		GBSDRS6S5	8.95	TISDRS6S5	8.50
Series 7	to Series 5		GBSDRS7S5	8.95	—	—
Series 7	to 52mm		GBSDRS7S2	8.95	TISDRS7S2	19.95
Series 7	to Series 6		GBSDRS7S6	8.95	TISDRS7S6	8.50
Series 8	to Series 7		GBSDRS8S7	8.95	TISDRS8S7	19.95
Hass B60	to Hass B50		GBSDRB60B50	39.95	—	—
Hass B60	to 58mm		GBSDRB6058	15.95	—	—
Hass B60	to 62mm		GBSDRB6062	15.95	—	—
Hass B50	to 52mm		GBSDRB5052	15.95	—	—

## MACRO COUPLING RINGS

Designed to allow the photographer to face two lenses together, via male-to-male couplers, enabling high quality macro images. It will work by reversing a standard lens to the front of a telephoto lens.

SIZE			GENERIC BRAND	
Lens Thread	Filter Thread		Item #	Price
49mm	to 49mm		GBMC49	7.95

SIZE			GENERIC BRAND	
Lens Thread	Filter Thread		Item #	Price
49mm	to 52mm		GBMC4952	7.95
49mm	to 55mm		GBMC4955	7.95
49mm	to 58mm		GBMC4958	7.95
52mm	to 52mm		GBMC52	7.95
52mm	to 55mm		GBMC5255	7.95
52mm	to 58mm		GBMC5258	7.95

SIZE			GENERIC BRAND	
Lens Thread	Filter Thread		Item #	Price
55mm	to 55mm		GBMC55	7.95
58mm	to 58mm		GBMC58	7.95
62mm	to 62mm		GBMC62	9.95
67mm	to 67mm		GBMC67	9.95
72mm	to 72mm		GBMC72	9.95
77mm	to 77mm		GBMC77	9.95

# STEPPING RINGS

## B + W R I N G S ( S T E P - U P )

PRO ACCESSORIES

270

Ultra-thin **brass** stepping rings change the size of the front of the camera/lens threads. One size accessory can be used on different size lenses. First size is the lens thread, following size is the filter thread.

Lens Thread	SIZE	Filter Thread	MFG. CODE	ITEM #	PRICE
18.5	to	19mm	-	BWSUR18.519	43.00
25	to	30.5mm	-	BWSUR2530.5	43.00
30.5	to	35.5mm	-	BWSUR30.535	43.00
30.5	to	39mm	16a	BWSUR30.539	15.00
30.5	to	40.5mm	-	BWSUR30.540	42.00
30.5	to	52mm	-	BWSUR30.552	48.00
32.5	to	39mm	-	BWSUR32.539	43.00
32.5	to	40.5mm	-	BWSUR32.540	42.00
32.5	to	77mm	-	BWSUR32.577	82.00
34	to	58mm	5L	BWSUR3458	15.00
35.5	to	40.5mm	15a	BWSUR35.540	15.00
35.5	to	49mm	9L	BWSUR35.549	15.00
35.5	to	52mm	8f	BWSUR35.552	15.00
35.5	to	58mm	5K	BWSUR35.558	15.00
35.5	to	77mm	-	BWSUR35.577	82.00
36.5	to	39mm	16	BWSUR36.539	15.00
36.5	to	49mm	9K	BWSUR36.549	15.00
39 Coarse	to	40.5mm	15	BWSUR3940.5	15.00
39 Fine	to	40.5mm	15 b	BWSUR3940.5Q	15.00
39	to	41mm	14	BWSUR3941	12.00
39	to	46mm	-	BWSUR3946	43.00
39	to	49mm	-	BWSUR3949	43.00
39	to	52mm	-	BWSUR3952	48.00
39	to	55mm	-	BWSUR3955	48.00
39	to	58mm	5i	BWSUR3958	15.00
40.5	to	40.5mm	-	BWSUR40.540	42.00
40.5	to	43mm	13	BWSUR40.543	15.00
40.5	to	45mm	12	BWSUR40.545	15.00
40.5	to	46mm	11a	BWSUR40.546	15.00
40.5	to	49mm	9i	BWSUR40.549	15.00
40.5	to	52mm	8e	BWSUR40.552	15.00
40.5	to	54mm	7d	BWSUR40.554	15.00
40.5	to	55mm	-	BWSUR40.555	48.00
40.5	to	58mm	5h	BWSUR40.558	15.00
40.5	to	77mm	-	BWSUR40.577	82.00

Lens Thread	SIZE	Filter Thread	MFG. CODE	ITEM #	PRICE
41	to	46mm	11	BWSUR4146	15.00
41	to	49mm	9h	BWSUR4149	12.00
41	to	52mm	8d	BWSUR4152	15.00
43	to	49mm	9g	BWSUR4349	15.00
43	to	52mm	8c	BWSUR4352	15.00
43	to	58mm	5g	BWSUR4358	15.00
45	to	49mm	9f	BWSUR4549	13.00
46	to	48mm	10	BWSUR4648	15.00
46	to	54mm	7c	BWSUR4654	15.00
46	to	49mm	9c	BWSUR4649	11.00
46	to	52mm	8b	BWSUR4652	15.00
46	to	55mm	6c	BWSUR4655	10.00
46	to	58mm	5f	BWSUR4658	15.00
46	to	67mm	2h	BWSUR4667	13.00
46	to	77mm	-	BWSUR4677	82.00
46.5	to	49mm	9d	BWSUR46.549	12.00
46.5	to	52mm	8h	BWSUR46.552	15.00
46.5	to	58mm	5e	BWSUR46.558	15.00
48	to	54mm	7b	BWSUR4854	15.00
48	to	49mm	9c	BWSUR4849	11.00
48	to	52mm	8a	BWSUR4852	15.00
48	to	55mm	6b	BWSUR4855	13.00
48	to	58mm	5d	BWSUR4858	15.00
48	to	67mm	2g	BWSUR4867	12.00
49	to	52mm	8	BWSUR4952	10.00
49	to	54mm	7a	BWSUR4954	15.00
49	to	55mm	6a	BWSUR4955	10.00
49	to	58mm	5c	BWSUR4958	10.00
49	to	60mm	4a	BWSUR4960	13.00



**We Exhibit at National and Regional Shows/Conventions**

# STEPPING RINGS

## B + W RINGS (STEP - UP)

Lens Thread	SIZE Filter Thread	MFG. CODE	ITEM #	PRICE
49	to 62mm	3c	BWSUR4962	10.00
49	to 67mm	2e	BWSUR4967	13.00
49	to 72mm	-	BWSUR4972	11.00
49	to 77mm	-	BWSUR4977	11.00
52	to 54mm	7	BWSUR5254	15.00
52	to 55mm	6	BWSUR5255	10.00
52	to 58mm	5b	BWSUR5258	10.00
52	to 62mm	3b	BWSUR5262	10.00
52	to 67mm	2d	BWSUR5267	11.00
52	to 72mm	-	BWSUR5272	12.00
52	to 77mm	-	BWSUR5277	12.00
54	to 55mm	6d	BWSUR5455	15.00
54	to 58mm	5a	BWSUR5458	12.00
55	to 58mm	5	BWSUR5558	10.00
55	to 60mm	4b	BWSUR5560	13.00
55	to 62mm	3a	BWSUR5562	10.00
55	to 67mm	2c	BWSUR5567	11.00
55	to 72mm	-	BWSUR5572	12.00
55	to 77mm	-	BWSUR5577	12.00
58	to 60mm	-	BWSUR5860	48.00
58	to 62mm	3	BWSUR5862	10.00
58	to 67mm	2b	BWSUR5867	11.00
58	to 72mm	1e	BWSUR5872	11.00
58	to 77mm	-	BWSUR5877	12.00
59	to 62mm	3d	BWSUR5962	13.00
60	to 62mm	3e	BWSUR6062	13.00
60	to 67mm	2a	BWSUR6067	42.00
62	to 67mm	2	BWSUR6267	11.00
62	to 72mm	1d	BWSUR6272	11.00
62	to 77mm	1b	BWSUR6277	11.00
67	to 72mm	1c	BWSUR6772	11.00

Lens Thread	SIZE Filter Thread	MFG. CODE	ITEM #	PRICE
67	to 77mm	1	BWSUR6777	11.00
67	to 82mm	-	BWSUR6782	73.00
67	to 105mm	-	BWSUR67105	86.00
72	to 77mm	1a	BWSUR7277	11.00
72	to 82mm	-	BWSUR7282	73.00
77	to 82mm	-	BWSUR7782	73.00
77	to 105mm	-	BWSUR77105	86.00
82	to 86mm	-	BWSUR8286	73.00
82	to 95mm	-	BWSUR8295	73.00
82	to 105mm	-	BWSUR82105	86.00
82	to 127mm	-	BWSUR82127	62.00
85	to 86mm	-	BWSUR8586	73.00
86	to 127mm	-	BWSUR86127	62.00
95	to 105mm	-	BWSUR95105	86.00
95	to 112mm	-	BWSUR95112	86.00
95	to 120mm	-	BWSUR95120	86.00
95	to 127mm	-	BWSUR95127	62.00
100 Fine	to 105mm	0	BWSUR100105	50.00
100 Coarse	to 105mm	00	BWSUR100105Q	50.00
101	to 105mm	-	BWSUR101105	86.00
102	to 127mm	-	BWSUR102127	62.00
105	to 127mm	-	BWSUR105127	62.00
110	to 127mm	-	BWSUR110127	62.00
120	to 127mm	-	BWSUR120127	62.00
127	to 138mm	-	BWSUR127138	86.00
Hass B50	to 52mm	-	BWSURB5052	20.00
Hass B50	to 55mm	-	BWSURB5055	20.00
Hass B50	to 58mm	-	BWSURB5058	39.00
Hass B60	to 67mm	-	BWSURB6067	40.00
Rollei B6	to 67mm	0a	BWSURB667	50.00
Rollei B6	to 72mm	0b	BWSURB672	50.00
Rollei B6	to 77mm	0c	BWSURB677	50.00
49	to Series 7	-	BWSUR49S7	13.00
52	to Series 7	-	BWSUR52S7	13.00
55	to Series 7	-	BWSUR55S7	13.00
Series 7 Retaining Ring			BWRRS7	9.00



# STEPPING RINGS

## B + W R I N G S ( S T E P - D O W N )

Ultra thin stepping rings change size of the front of camra/lens threads. One size accessory can be used on different size lens. When using the following rings on wide-angle lenses, it is not advised to use much smaller accessories than the lens being used because of possibility of vignetting. First size is the lens thread, following size is the filter thread.

Lens Thread	SIZE Filter Thread	MFG. CODE	ITEM #	PRICE
48	to 46mm	-	BWSDR4846	9.00
49	to 27mm	19	BWSDR4927	15.00
49	to 46mm	-	BWSDR4946	9.00
49	to 48mm	-	BWSDR4948	9.00
49	to 49mm	9b	BWSDR4949	15.00
51	to 49mm	9	BWSDR5149	15.00
52	to 46mm	-	BWSDR5246	9.00
52	to 48mm	-	BWSDR5248	9.00
52	to 49mm	28	BWSDR5249	10.00
55	to 46mm	26c	BWSDR5546	12.00
55	to 48mm	26b	BWSDR5548	13.00
55	to 49mm	26a	BWSDR5549	12.00
55	to 52mm	26	BWSDR5552	12.00
55	to 52mm	8i	BWSDR5552Q	12.00
55	to 54mm	27	BWSDR5554	13.00
56	to 52mm	8g	BWSDR5652	15.00
58	to 49mm	25c	BWSDR5849	12.00
58	to 52mm	25b	BWSDR5852	13.00
58	to 55mm	25	BWSDR5855	12.00

Lens Thread	SIZE Filter Thread	MFG. CODE	ITEM #	PRICE
60	to 52mm	23	BWSDR6052	12.00
60	to 58mm	5m	BWSDR6058	48.00
60	to 59mm	-	BWSDR6059	48.00
62	to 52mm	-	BWSDR6252	11.00
62	to 55mm	-	BWSDR6255	9.00
62	to 58mm	24	BWSDR6258	10.00
62	to 60mm	-	BWSDR6260	51.00
67	to 58mm	-	BWSDR6758	11.00
67	to 62mm	22	BWSDR6762	13.00
72	to 62mm	-	BWSDR7262	58.00
72	to 67mm	-	BWSDR7267	11.00
77	to 67mm	21	BWSDR7767	13.00
77	to 72mm	21a	BWSDR7772	13.00
82	to 77mm	-	BWSDR8277	66.00
105	to 77mm	-	BWSDR10577	86.00
138	to 127mm	-	BWSDR138127	86.00
Hass B60	to 58mm	-	BWSDRB6058	48.00
Hass B60	to 62mm	-	BWSDRB6062	20.00
Series 7	to 58mm	-	BWSDRS758	12.00
Series 7	to 62mm	-	BWSDRS762	12.00

## HELIOPAN STEP-UP RINGS

Ultra thin brass black finish rings change the front of camera/lens threads. First size is the lens thread, following size is the filter thread.

Lens Thread	SIZE Filter Thread	MFG. CODE	ITEM #	PRICE
52	to 60mm	700-323	HESUR5260	32.50
55	to 60mm	700-321	HESUR5560	32.50
58	to 60mm	700-320	HESUR5860	32.50
60	to 62mm	700-170	HESUR6062	32.50
60	to 67mm	700-161	HESUR6067	38.50
60	to 72mm	700-651	HESUR6072	39.95
67	to 95mm	700-115	HESUR6795	67.95
67	to 105mm	700-106	HESUR67105	74.50
72	to 95mm	700-114	HESUR7295	67.95
72	to 105mm	700-105	HESUR72105	74.50

Lens Thread	SIZE Filter Thread	MFG. CODE	ITEM #	PRICE
77	to 82mm	700-130	HESUR7782	54.95
77	to 95mm	700-113	HESUR7795	67.95
77	to 105mm	700-104	HESUR77105	74.50
82	to 95mm	700-112	HESUR8295	67.95
82	to 105mm	700-103	HESUR82105	74.50
86	to 95mm	700-111	HESUR8695	67.95
86	to 105mm	700-102	HESUR86105	74.50
95	to 105mm	700-101	HESUR95105	74.50
Rollei B6	to 67mm	709-904	HESURB667	53.50
Hass B60	to 67mm	709-903	HESURB6067	79.95

*Heliopan Stepping Rings are also available in sizes not listed above.*



# CLEANING SUPPLIES

## BLOWERS, BRUSHES, CLOTHS, CLEANERS

### Blower



**Hurricane Blower**

All rubber blower. Produces a strong burst of air to clean lenses, cameras, projectors, etc.

**Item # GBBH.....5.95**

### Blower Brushes

Rubber bulb type with protective sleeve. Clean lint and dirt from negatives and camera parts without scratching or smudging.



**Blower Brush, Small**

**Item # GBBBS .....3.50**

**Blower Brush, Medium**

**Item # GBBBM.....3.95**

**Blower Brush, Large**

**Item # GBBBL .....4.95**

### Paper, Chamois, and Cloths

#### Kodak Lens Cleaning Paper

A soft, absorbent paper safe for use on the finest lenses. Lint-free and chemically pure.

Folder contains 50 3x5" sheets.

**Item # KOLT.....1.75**

#### Lens Chamois, 10x10"

Genuine leather, clothing grade. 3 times dry cleaned, oil free. Use over and over.

**Item # GBC1010.....9.95**

#### Ultrafine Lens Cleaning Cloth

Hi-tech optical treatment for removal of residual oil film and microscopic dirt. Cloth is safe for all glass and plastic multi-coated optics. 8x8".

**Item # DECC .....94.95**

### Staticmaster Brushes

Staticmaster Brushes eliminate static electricity and removes dust, lint and other particles in one operation. Emits non-penetrating low-energy alpha particle. They come in 1" and 3" sizes. Cartridges are replaceable.



#### 1" Staticmaster Brush

**Item # STB1 .....13.95**

#### 3" Staticmaster Brush

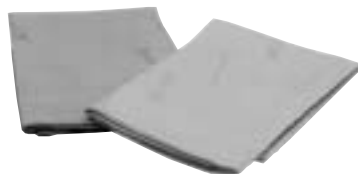
**Item # STB3 .....21.95**

#### 1" Cartridge Replacement.

**Item # STC1 .....8.95**

#### 3" Cartridge Replacement.

**Item # STC3 .....16.95**



*Falcon Dust-Off Luminex Cloth*

#### Falcon Dust-Off Luminex Ultra Fine Cleaning Cloth

The high-tech way to clean multi-coated lenses. More effective than lens tissue or any other cleaning cloth. 220,000 microfibers per square inch easily lift away dirt, grease and dust. 100% lint-free. Safely cleans any type lens or filter. Washable and reusable. 7½x7½".

**Item # FALC .....4.95**

### Lens Cleaner

Quickly and safely removes foreign matter from the surfaces of all optical glass - smudged, dusty, or fingerprinted camera or enlarger lenses. Supplied in two sizes - 1½ oz. polyethylene squeeze-type bottle, and 16 oz. glass bottle.



#### Kodak Lens Cleaner, 1½ oz.

**Item # KOLC1.250 .....2.95**

#### Kodak Lens Cleaner, 16 oz.

**Item # KOLCP .....7.50**



#### R.O.R. Residual Oil Remover

A lens cleaner that aims specifically to remove microcarbon residue which is present on the surface of a lens.

Although invisible to the naked eye, when removed from the lens it provides

a remarkable change and a significant light entry increase (up to 3/4 of an f-stop, in most cases). 2 oz.

**Item # ROROR20 .....5.50**

#### Edwal Lens Cleaner

Specially formulated to lubricate, as well as clean. Prevents scratches which could result from dust particles held in a dry lens tissue. Completely safe for all coated and uncoated optical glass. Contains no silicon or other film-producing materials. The ¾ oz. squeeze bottle holds enough for 800 clean-ups.

**Item # EDLC.750 .....3.95**

#### Rexton Optyl-7 Lens Cleaner

Neutral in PH. Contains no detergents, ammonia or alcohol. Optyl 7 cleans by first binding with the contaminant, then allowing the slurry to be carried away on the lens tissue. It then evaporates without a trace. Optyl-7 does not attack metal or plastics.

**Item # RELC1 .....1.50**

#### Rexton Anti-Static Cleaner

Same as the Optyl-7 Lens Cleaner, except it works for film cleaning. 4 oz. bottle.

**Item # REFC40 .....3.95**

#### Rexton Anti-Static Cleaner

Same as above. 4 oz. spray for film cleaning.

**Item # REFC4S .....4.95**

#### Rexton Anti-Static Cleaner

Same as above. 16 oz. bottle for film cleaning.

**Item # REFCP .....6.95**

### Camel's Hair Brushes

For removing dust from negatives. A sturdy metal sleeve holds the fine quality bristles firmly. Offers exceptionally long service without shedding.

#### 1" Camel Hair Brush

**Item # GBBCH1 .....10.95**

#### 2" Camel Hair Brush

**Item # GBBCH2 .....12.95**

### Kostiner Antistatic Brush

#### Kostiner Short Antistatic Brush

Removes dust and static electricity from plastic, negatives, sheet film, and photographic lenses. Extra-processed acrylic fibers, 35 microns in diameter. Strong yet gentle enough to prevent damage to film. May be washed with soap and water. 4" long carbonized plastic handle, 4" brush.

**Item # KOASBS .....19.95**

# CLEANING SUPPLIES

## BRUSHES, COMPRESSED AIR

### Kinetronics Static Wisk Brushes

Dissipate static without radioactive, electric, or electronic devices. made from natural hair and conductive fibers. May be washed in shampoo and water to clean or vacuumed to remove dust.



Kinetronics Model 30  
1" plastic handle brush.  
**Item # KIB1 .....14.95**

Kinetronics Model 100N  
4" plastic handle brush.  
**Item # KIB4 .....19.95**

### Dewitt's Brush

Made of 100% natural boar bristle in a molded nylon handle, Dewitt's Brush looks alot like an old-fashioned badger-hair shaving brush. The difference is in the boar bristles. They are both stiffer and springier, which is better to get dirt and grit out of hard-to-reach areas. They are feathered at the tip to pick up dust and to protect painted finishes. Ideal for cleaning camera gear and sheet film holder.



Dewitt's Brush  
**Item # VIDB .....9.95**

### COMPRESSED AIR

Falcon Dust-Off products are available in two formulas. Dust-Off Special Application Products have been formulated for use in especially sensitive environments, such as scientific research labs and other areas where flammability is a primary concern. All Dust-Off products are not flammable and completely safe for normal use, but they do contain some flammable elements. Both are 100% ozone-safe.

#### Falcon Original Dust-Off

The environmentally safe original Dust-Off formula is used by photographers, computer and office equipment users, service technicians, and lab personnel. Available as a kit containing an 8 oz. can and a chrome nozzle. Optional refills are available separately.



Dust-Off 8 oz. with Chrome Valve Kit  
**Item # FADOK .....21.75**

Dust-Off 8 oz. Refill  
**Item # FARDO .....6.49**

Dust-Off 8 oz. Refill  
Case of 12.  
**Item # FARDO12 .....72.95**

#### Dust-Off Mini/Jr.

Available in 1¼ and 3½ oz. sizes, the Mini/Jr's are ideal sizes to carry. The flexible plastic tube can be set in any direction to make hard to reach spots easy to reach.

Dust-Off Mini, 1¼ oz.  
**Item # FADOM .....2.95**

Dust-Off Jr, 3½ oz.  
**Item # FADOJ .....4.95**

#### Dust-Off Plus

Uniquely designed to get at dust in tough-to-reach places where no ordinary duster can go. Its patented multi-directional 360° Vector Valve® delivers moisture-free blasts. Refills available separately.

Dust-Off Plus 8 oz. with Valve Kit  
Contains 8 oz. refill can and Vector Valve.  
**Item # FADOPKQ .....24.95**

Dust-Off Plus 8 oz. Refill  
**Item # FARDOP8 .....6.95**

Dust-Off Plus 8 oz. Refill  
Case of 12.  
**Item # FARDOP12 .....79.92**

#### Dust-Off XL

Extra large and extra economical. Provides more blasting power. This convenient disposable 10 oz. can is an ideal work station companion. Also great for on-location photography, laboratories and household use.

Dust-Off XL 10 oz.  
**Item # FADOD .....8.95**

#### Dust-Off Pro System

Dusting convenience for studios, darkrooms, mini-labs, repair shops, offices or any active workplace. The Pro Gun and Flexible Hose System provide flexibility for getting dust out of hard-to-reach places, with single-handed operation from any angle. Pro-Gun trigger design lets you control the power, from a gentle puff to a full blast. Complete System includes canister, valve, pro Gun with 8' flexible hose, canister holder and Pro Gun bracket.



Dust-Off Pro System 17 oz.  
**Item # FADOPK .....34.95**

Dust-Off Pro 17 oz. Refill  
**Item # FARDOP17 .....17.95**

#### Dust-Off Accessories

Extension Nozzle  
2' chrome-tipped flexible extension nozzle fits onto standard Dust-Off nozzles and Dust-Off Jr cans to pinpoint the blast in any direction for hard-to-reach areas.  
**Item # FAENDO .....9.95**



#### Leland Power Clean

Ozone-safe CO<sub>2</sub> dust and particle remover. With variable valve control. Produces 7 times more power than aerosol sprays.

Power Clean Kit (51100)  
1.3 oz. (38 grams).  
**Item # LEPCK .....19.95**

Power Clean II Kit (52100)  
2.6 oz. (76 grams).  
**Item # LEPC2K .....29.95**

Power Clean Cylinder (51101)  
Power Clean refill.  
**Item # LECPC .....6.25**

Power Clean II Cylinder (52101)  
Power Clean II refill.  
**Item # LECPC2 .....9.95**

# CLEANING SUPPLIES

## COMPRESSED AIR, AIR COMPRESSORS

### Beseler Dust Gun

Beseler's Dust Gun 100 offers a propellant more environmentally safe than ever before. Dust Gun 100 is 100% ozone-safe, non-flammable and contains no ether! Provides the dry, ultra-filtered air to remove even microscopic dust and lint from your negatives, slides and photo or electronic equipment. Meets all federal regulations regarding duster prod-

#### Dust Gun 100 (8592)

A compact 2½ oz. can with built-in continuously variable trigger with extension nozzle.  
**Item # BEDG1002.5.....3.50**

#### Dust Gun 100 (8590)

Consists of an 8 oz. can with a built-in continuously-variable trigger valve and extension nozzle.  
**Item # BEDG1008.....4.99**

#### Dust Gun 100 (8593)

Consists of a 12 oz. can with a built-in continuously-variable trigger valve and an extension nozzle.  
**Item # BEDG10012.....5.99**



**Dust Gun 100 Refill Can (8591)**  
8 oz. refill can. Requires chrome trigger valve.  
**Item # BERDG1008.....4.19**

**Dust Gun 100 Refill Can (8594)**  
12 oz. refill can. Requires chrome trigger valve.  
**Item # BERDG10012.....5.69**

**Dust Gun 100 12-Pack (8591-12)**  
**Item # BERDG100812.....47.95**

**Universal Chrome Trigger Valve (8557)**  
For use with Dust Gun 100 and Dust Gun 22 refills and similar products, such as Falcon, as well as old Freon-12 refill cans.  
**Item # BETV.....16.50**

**Dust Gun 100 8 oz. Kit**  
Consists of chrome trigger valve, with 8 oz. refill can.  
**Item # BEDG1008K.....21.49**

**Dust Gun 100 12 oz. Kit**  
Consists of chrome trigger valve, with 12 oz. refill can.  
**Item # BEDG10012K.....23.45**

### AIR COMPRESSORS

#### Beseler DG-100

A trigger activated pressure switch automatically turns the unit on or off, while directing a air where you need it. Virtually maintenance free and lubricated for life. It is also suitable for airbrush applications.



#### DG 100 Deluxe Air Compressor (860301)

Includes 12' coiled hose with nozzle, plus pressure switch and in-line on/off switch.  
**Item # BEDG100D.....249.95**

#### In-Line Dryer (8604)

Filters out unwanted moisture.  
**Item # BEILDDG100.....25.95**

### Professional Motor Drive For Hasselblad Cameras

Transform your manual Hasselblad camera to a motorized camera by simply removing the winding crank, and attaching the Apcam Motor Drive. Enjoy automatic film advance and shutter tensioning on single exposure at a winding speed of approximately one frame per second. Film advancement and shutter cocking is smooth and even. With the electronic "Stop Design", there is no wear on the camera's shutter cocking mechanism. The Apcam Motor Drive is independently powered and ergonomically designed.



**Apcam Motor Drive (500CMX)**  
fits 500C, 500C/M, and 503CX  
**Item # APMDH500C.....499.95**

**Apcam Motor Drive (5013CW)**  
fits 501C, 501C/M, 503CXI and 503CW  
**Item # APMDH501C.....499.95**

### Specifications:

**Winding mode:** Single frame  
**Winding speed:** one frame per second.  
**Attachment:** With securing screw to tripod socket  
**Power source:** 6 AA batteries  
**Power on indication:** Green LED lights up when power is switched on  
**Winding indication:** Red LED lights up during winding cycle or ready to wind  
**Dimensions:** 3.6 x 3.6 x 2.3" (144 x 140 x 90 mm)  
**Weight:** 23 oz. (660g)

# CHANGING ROOMS

## FOCUS CLOTHS, CHANGING BAGS

### Film Changing Bags



Lightweight black nylon outer bag, with an interior bag constructed of rubberized nylon/cotton blend. This affords both light weight, and great opacity. Heavy duty brass zippers hold up over years of use. Double lined, double zipper. Guaranteed light-tight. Rubber wrist bands.

#### Small Changing Bag

17 x 17" (43 x 43cm).

Item # **GBCBS** .....**12.95**

#### Large Changing Bag

27 x 30" (69 x 76cm).

Item # **GBCBL** .....**21.95**

#### Pro Changing Bag

36 x 45" (91 x 114cm).

Item # **GBCBP** .....**44.95**

### C.P.M. Delta Focusing Cloth

Cool, light, durable and snag resistant; one side is white, the other is black. One edge is covered with a Velcro strip allowing the cloth to close around the largest camera or smallest telephoto lens. Each corner has Velcro strips which can be attached to each other or to Velcro weights. 100% cotton.



#### Focusing Cloth

36x50" (91x127cm).

White/black.

Item # **DEFC3650** .....**32.95**

#### Focusing Cloth

50x60" (127x152cm)

White/black.

Item # **DEFC5060** .....**33.95**

### Focusing Cloths



Focusing cloth for view cameras features double black nylon material and allows the cloth to drape

naturally over the sides. It has a special elastic and Velcro band, which fits over the rear standard on most view cameras, to prevent cloth from falling.

#### Focusing Cloth

36 x 58" (91 x 147cm).

Item # **GBFC3658** .....**16.95**

#### Focusing Cloth

58 x 72" (147 x 183cm).

Item # **GBFC5872** .....**29.50**

### Changing Room

The Photoflex Changing Room is a double walled, light tight changing bag with an internal frame that provides plenty of room to work. You can even change 8x10" film. Also included is an internal, removable "trash bag" so you can keep film wrappers, boxes or canisters away from your film; and the Changing Room sets up/tears down instantly.

Double walled sleeves with elastic knit cuffs keep light out while letting you work in comfort. Sets up to 25 x 22 x 15" L.W.H. (64 x 56 x 38cm) and folds to 19" diameter (48cm).



Photoflex Changing Room  
Insert: Shown in carry bag

#### Photoflex Changing Room with Carrying Pouch

Item # **PHCR** .....**79.95**

### Jobo Film Changing Tent

This portable tent has an internal frame that sets up and takes down in just one step. Dual walls with counterdirectional zippers assures a light-tight environment to load your film. The tent is large enough to easily load 8x10" sheet film into a Jobo Expert drum. There are two pockets on the sides to hold your tools (so you don't lose them in the cavernous space!). The tent includes a carrying bag with drawstring. Dimensions: 34.5 x 22 x 24" (88 x 56 x 61cm) HWD.

#### Jobo Film Changing Tent

With drawstring carry bag.

Item # **JOTFC** .....**149.95**



#### Film Changing Tent for 4x5 (SB22)

With Stuff Sack. Designed for 4x5 and smaller film formats. Features a working area of 22 x 22" and an interior height of 15".

Item # **VICT45** .....**193.50**

#### Film Changing Tent for Motion Picture (SB3040)

Same as above with a working area of 30 x 40".

Item # **VICTMP** .....**296.95**

### Shadow Box

Eliminates the headache of loading sheet film holders on location. Its self-supporting tent-like construction keeps top and sides away from the work surface. The right choice for loading film into daylight processing tanks when a darkroom is unavailable, it can be used even in direct sunlight without the risk of fogging. White exterior reflects light to keep the inside cool. Coated durable rip-stop nylon interior eliminates the lint that plagues old-fashioned floppy bags.

#### Film Changing Tent for 8x10 (SB30)

With Stuff Sack. Designed for 8x10 format and motion picture film magazines. Features a working area of 30 x 30" and an interior height of 20".

Item # **VICT81** .....**242.95**



# CABLES

## CABLES / AIR RELEASES

### Cloth Cable Release

Black, cloth covered, metal braided cables with plunger set-screw lock for time exposures.



10" Cloth Cable Release <i>Item # GBCRC10</i> .....	<b>4.95</b>
20" Cloth Cable Release <i>Item # GBCRC20</i> .....	<b>6.95</b>
40" Cloth Cable Release <i>Item # GBCRC40</i> .....	<b>9.95</b>

### Metal Cable Release

Metal woven cable releases with set-screw lock for time exposures.

12" Metal Cable Release <i>Item # GBCRM12</i> .....	<b>8.95</b>	20" Metal Cable Release <i>Item # GBCRM20</i> .....	<b>9.95</b>
--	-------------	--	-------------

### Deluxe Vinyl Cable Releases

Vinyl covered metal cable, grip with oversized metal center lock.

10" Deluxe Vinyl Cable Release <i>Item # GBCRVCL10</i> .....	<b>11.95</b>	40" Deluxe Vinyl Cable Release <i>Item # GBCRVCL40</i> .....	<b>17.95</b>
20" Deluxe Cable Release <i>Item # GBCRVCL20</i> .....	<b>13.95</b>	60" Deluxe Vinyl Cable Release <i>Item # GBCRVCL60</i> .....	<b>24.95</b>

### Deluxe Pro Cable Releases

Wide collar to provide a sure finger-grip, durable black fabric case, and spiral reinforcement of the nipple to prevent kinking. With automatic lock for time exposures.

20" Professional Cable Release <i>Item # GBCRP20</i> .....	<b>29.95</b>
40" Professional Cable Release <i>Item # GBCRP40</i> .....	<b>34.95</b>



### Kaiser Cable Release

**20" (50cm) Professional Cable Release (206184)**  
Consists of two parts; one an upper part with formed grip and auto lock disc; two, a lower portion which is an interchangeable release with black covering and threaded rotating tip.  
*Item # KACR20* .....

**34.50**

### Air Shutter Release

Remote control shutter release for most cameras. Strong enough for use with all cameras. Bulb and 20' of tubing (3' and 17' sections on reel) and plunger for Compur.

20' Air Shuttle Release <i>Item # GBAR20</i> .....	<b>11.95</b>
---	--------------

### Hama/Rowi Pneumatic Releases

Complete with reeling drum from which the tubing can be quickly unwound to the required length.

Hama 20' (6m) Air Release <i>Item # HAAR20</i> .....	<b>32.95</b>	Rowi 20' (6m) Air Release <i>Item # ROAR20Q</i> .....	<b>19.95</b>
Hama 33' (10m) Air Release <i>Item # HAAR30</i> .....	<b>39.95</b>	Rowi 33' (10m) Air Release <i>Item # ROAR33</i> .....	<b>33.50</b>

### Hama Electronic Release

This wired remote release controls electronically triggered cameras which use a 2.5mm standard mini jack.



Hama 32' Electronic Release (5372) <i>Item # HACRE32</i> .....	<b>23.95</b>
---	--------------

### Rowi Twin Cable Release



For synchronizing firing of two cameras, controls automatic diaphragm and shutter, and for use with extension rings and bellows attachments without automatic diaphragm transmission. Black cloth sheath and thumbscrew lock, 20".

<i>Item # ROCRT</i> .....	<b>53.50</b>
---------------------------	--------------

### Cable Release Accessories

**U-Hook Adapter**  
U-shaped. Allows cable release to fit into tight spots, such as on view camera lens/shutter.  
*Item # GBUHA* .....

**9.95**

**Universal Self-Timer**  
For cameras without built-in self timers. Screws into camera's shutter release button. Up to 18 second delay, variable if desired. Comes with Leica adapter.  
*Item # GBST* .....

**19.95**



**Hama Self Timer (5401)**  
Same as above. 10 seconds. Plunger travel is adjustable to between 0.12" and 0.315". With stop button. Supplied in a case.  
*Item # HAST* .....

**39.95**

**Hama L-Shaped Adapter for Cable Release (5128)**  
For medium-format cameras. Rotating nipple ensures easy attachment to the cable release socket, if not easily accessible.  
*Item # HACRAL* .....

**14.95**

**Leica Cable Release Adapter "Leica-Nippel" (5125)**  
Designed for Wigin Edixa and early Leica cameras with external cable release thread. Compatible with all cable releases.  
*Item # HACRALQ* .....

**4.95**

# FILM BACKS

## FILM HOLDERS

### Wista 4x5 Film Backs



45/6x7  
Roll Film  
Back (1035)

The Wista 4x5 roll film backs attach to the camera instead of to the 4x5 back without groundglass. The roll film back is built onto a 4 1/4 x 6 1/4" (120 x 157mm) plate.

**45/6x7 Roll Film Back (1035)**  
120 film, 6x7cm, 10 exposures.  
**Item # WIFB67120G.....389.95**

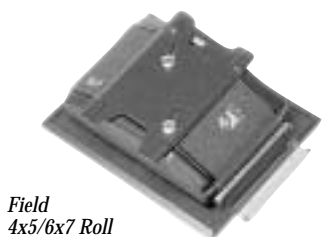
**45/6x9 Roll Film Back (1034)**  
120 film, 6x9cm, 8 exposures.  
**Item # WIFB69120G.....389.95**

**45/6x9 Roll Film Back (1033)**  
220 film, 6x9cm, 16 exposures.  
**Item # WIFB69220G.....429.95**

International Standard Roll Film Backs (1036, 1037) for 4x5 field cameras are used when the groundglass is not removed. The roll film back is built onto a 4 1/4 x 6 1/4" (120x157mm) plate and slides into the place of a cut film holder.

**Field 45/6x7 Roll Film Back (1037)**  
120 film, 6x7cm, 10 exposures.  
**Item # WIFB6745DX.....389.95**

**Field 45/6x9 Roll Film Back (1036)**  
120 film, 6x9cm, 8 exposures.  
**Item # WIFB6945DX.....389.95**



Field  
45/6x7 Roll  
Film Back (1037)

### CUT FILM HOLDERS

Double sided. All metal inner core – no wooden parts to break. Interlocking joints.

#### Fidelity Cut Film Holders

**2 1/4 x 3 1/4" Cut Film Holder (2)**  
**Item # FIFH23.....59.95**

**3 1/4 x 4 1/4" Cut Film Holder (2)**  
**Item # FIFH34.....67.50**

**4x5" Cut Film Holder (2)**  
**Item # FIFH45.....33.00**

**5x7" Cut Film Holder (2)**  
**Item # FIFH57.....51.50**

**8x10" Cut Film Holder (2)**  
**Item # FIFH81.....109.50**

**8x10" Cut Film Holder (2)**  
With unbreakable darkslide.  
**Item # FIFH81U.....177.95**

**11x14" Cut Film Holder (2)**  
**Item # FIFH11.....637.95**

**11x14" Cut Film Holder (2)**  
With unbreakable darkslide.  
**Item # FIFH11U.....697.95**



#### Fidelity Dark Slides

**2 1/4 x 3 1/4" Dark Slide Plastic Replacement.**  
**Item # FIDS23.....7.95**

**3 1/4 x 4 1/4" Dark Slide Plastic Replacement.**  
**Item # FIDS34.....7.95**

**4x5" Dark Slide Plastic Replacement.**  
**Item # FIDS45.....7.95**

**5x7" Dark Slide Plastic Replacement.**  
**Item # FIDS57.....9.95**

**8x10" Dark Slide Plastic Replacement.**  
**Item # FIDS810.....14.95**

**11x14" Dark Slide Plastic Replacement.**  
**Item # FIDS11.....24.95**

**8x10" Dark Slide Unbreakable. Replacement.**  
**Item # FIDSU81.....24.95**

**11x14" Dark Slide Unbreakable. Replacement.**  
**Item # FIDSU11.....34.50**

#### Lisco Regal Double-Sided Cut Film Holders

**2 1/4 x 3 1/4" Cut Film Holder (2)**  
**Item # LIFH23.....59.95**

**3 1/4 x 3 1/4" Cut Film Holder (2)**  
**Item # LIFH34.....67.50**

**4x5" Cut Film Holder (2)**  
**Item # LIFH45.....33.00**

**5x7" Cut Film Holder (2)**  
**Item # LIFH57.....51.50**

**8x10" Cut Film Holder (2)**  
**Item # LIFH81.....109.50**

**8x10" Cut Film Holder (2)**  
With unbreakable dark slide.  
**Item # LIFH81U.....177.95**



#### RiteWay Double-Sided Cut Film Holder

**4x5" Cut Film Holder (2)**  
**Item # RIFH45.....46.00**

### Horseman 4x5 Film Backs

Film backs for 4x5" cameras feature ratchet advance and automatic counter resetting. There are backs for 120 and 220 film and a 6x12 for panoramic photography. They are designed to fit all 4x5" cameras that follow the accepted international standard.

**Roll Film Holder 451 (22451)**  
6x9cm. 8 exposures on 120 roll film.  
**Item # HOFB6912045 ...469.00**

**Roll Film Holder 452 (22452)**  
6x7cm. 10 exp. on 120 roll film.  
**Item # HOFB6712045 ...469.00**

**Roll Film Holder 453 (22453)**  
6x9cm. 16 exposures on 220 roll film.  
**Item # HOFB6922045 ...469.00**

Roll Film  
Holder  
451  
(22451)



Roll Film  
Holder  
452  
(22452)

**Roll Film Holder 454 (22454)**  
6x7cm. 20 exposures on 220 roll film.  
**Item # HOFB6722045 ...469.00**

**Roll Film Holder 612 (22461)**  
6x12cm. 6 exp. on 120 roll film.  
**Item # HOFB61245.....849.00**

**Format Mask Set (23870)**  
For 6x7, 6x9 and 6x12cm. roll film. Supplied as a set.  
**Item # HOFMS.....29.95**

**Overnight Shipping Available**

# F I L M   B A C K S

## F O R   I N S T A N T   F I L M

### NPC 3 1/4 x 4 1/4 Instant Film Backs for Medium Format

Accepts Polaroid 3 1/4 x 4 1/4" pack film. Provides instant images in the format size of the camera. They have convenient holders for their stainless steel dark slides. Fast and easy to attach and remove from your camera.

**Polaroid Back MF-1**  
Fits all Hasselblad cameras except EL and superwide versions. Compatible with every prism ever made for Hasselblad cameras.  
**Item # NPFBPH .....224.95**

**Polaroid Back MF-2**  
Uses thin Fiber-Optic. Fits every Hasselblad body including the EL and superwide cameras.  
**Item # NPFBPHQ .....349.95**

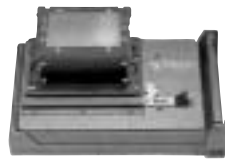
**Polaroid Back MF-3**  
Fits Mamiya RB-67, Pro-S and SD.  
**Item # NPFBPMRB .....179.95**

**Polaroid Back MF-4**  
Fits Mamiya RZ-67.  
**Item # NPFBPMRZ .....179.95**

**Polaroid Back MF-5**  
Fits Bronica ETR-S & Si.  
**Item # NPFBPBE .....154.95**

**Polaroid Back MF-14**  
Fits Bronica SQ-A & SQ-AI.  
**Item # NPFBPBS .....174.95**

**Polaroid Back MF-15**  
Fits Bronica GS-1.  
**Item # NPFBPBG .....194.95**



*Polaroid Back Pro MF-21*

**Polaroid Back MF-16**  
Fits Fuji GX-680.  
**Item # NPFBPFGX680 ..234.95**

**Polaroid Back MF-17**  
Fits Mamiya 645 Pro.  
**Item # NPFBPM645 .....269.95**

**Polaroid Back Pro MF-21**  
Fits Pentax 6x7.  
**Item # NPFBPP67 .....729.95**

**Polaroid Back Pro MF-22**  
Fits Mamiya 6 and 7.  
**Item # NPFBPM6 .....929.95**

**Polaroid Back Pro MF-23**  
Fits Fuji 690 GSWIII, 690 GSWIII, 670 III.  
**Item # NPFBPF670 .....1,169.95**

**Polaroid Back Pro MF-24**  
Fits Pentax 645.  
**Item # NPFBPP645 .....1,234.95**

**Polaroid Back MF-524**  
For Hasselblad 500CM, 503CX, 2003FCW, and 2000 FCM. Uses 4x5 film pack. Two images per frame..  
**Item # NPFBPHQ .....349.95**

**Extra Hinge for MF-21, Pentax 6x7 Proback**  
**Item # NPHPB67 .....89.95**

### NPC 4x5 Instant Film Back Adapters for Medium Format

Works coincide with Polaroid 545 4x5 sheet film holder. Provides instant images in the format size of the camera.

**Polaroid Back MF-32A**  
Fits Mamiya RZ-67.  
**Item # NPFBP45MRZ ...209.95**

**Polaroid Back MF-33A**  
Fits Mamiya RB-67.  
**Item # NPFBP45MRB .....209.95**

*Polaroid Back Adapter MF-32A shown on Mamiya RZ.*



**Polaroid Back MF-34A**  
Fits Mamiya RB and RZ. Includes T-77 RZ to RB adapter plate.  
**Item # NPFBP45MRZQ ....284.95**

### NPC 4x5 Instant Film Backs for Medium Format

Complete with built-in Polaroid 545 4x5 sheet film holder. Provides instant images in the format size of the camera.

**Polaroid Back MF-32**  
Fits Mamiya RZ-67.  
**Item # NPFBP45HMRZ .....349.95**

**Polaroid Back MF-33**  
Fits Mamiya RB-67.  
**Item # NPFBP45HMRB .....349.95**

**Polaroid Back MF-34**  
Fits Mamiya RZ67 and RB-67. Includes T-77 RZ to RB adapter plate.  
**Item # NPFBP45HMRZQ .....424.95**

**NPC Polaroid Back MF-35**  
Fits Polaroid 600SE, 203 and 403 miniportrait.  
**Item # NPFBP45HP600 ...269.95**

**NPC Polaroid Back MF-36**  
Fits Fuji 680.  
**Item # NPFBP45HFGX6 ..349.95**



*NPC Polaroid Back MF-32*

### Polaroid Large Format Instant Film Backs



*Polaroid 545i*

**Polaroid 405 Pack Film Holder**  
Fits all international standard 4x5 backs. Accepts polaroid 3 1/4 x 4 1/4" pack film. Provides 2.9x3.8" (7.4x9.7cm) images. They are used to check lighting exposure, composition and to evaluate color.  
**Item # PO405 .....74.95**

**Polaroid 550 Pack Film Holder**  
For use with 4x5 cameras. Features larger image area, 3 1/4 x 4 5/8" (8.3x6.9cm). Accepts Polaroid 4x5 pack films.  
**Item # PO550 .....124.50**

**Polaroid 545i Sheet Film Holder**  
For use with 4x5 cameras. Features 3 1/4 x 4 1/2" (8.9x11.4cm) image area. Accepts Polaroid 4x5 sheet film and allows changing of film type after each exposure.  
**Item # PO545I .....144.95**

**Fuji Quickload Film Holder**  
For use with Fuji Quickload 4x5 film. Light and compact construction with one-touch automatic lock. Fits on almost all 4x5 cameras.  
**Item # FUFHQL .....104.95**

**Kodak Readyload Packet Film Holder**  
For use with Kodak Readyload Packets. Accepts preloaded Kodak Readyload Packets which can be loaded in daylight. This packet film holder fits on virtually any 4x5 camera.  
**Item # KOFHRL .....49.95**

**Polaroid Back MF-35A**  
Fits Polaroid 600SE, 203 and 403 Miniportrait.  
**Item # NPFBP45P600 ....166.50**

**Polaroid Back MF-36A**  
Fits Fuji 680.  
**Item # NPFBPFGX680Q .209.95**

**T-77 Adapter Plate**  
Allows use of RZ-67 backs with RB-67.  
**Item # NPAPT77 .....137.95**

# FILM BACKS

## BEATTIE LONG ROLL BACK FOR MAMIYA RB/RZ

PRO ACCESSORIES

280



The Beattie Converter 67 is designed to enable the Mamiya RB67 or RZ67 to operate as a long roll camera with 100' capacity film magazines. This allows hundreds of shots to be taken without changing film.

The camera requires no modification whatsoever. The Mamiya RB67 is mounted to four pins on the Converter 67 equivalent to those on the RB67 revolving adapter. The magazine slides into mounting rails on the back of the Converter 67, where a rotating ring allows easy rotation between vertical and horizontal formats.

The Mamiya RZ67 is mounted to the converter by a camera mount screw. The film magazine for the Converter 67Z is modified by permanent incorporation of the Mamiya "G" adapter into the magazine aperture plate for convenient mounting and rotation.

A basic Converter 67 unit consists of two components in addition to the camera: The Converter unit and a film magazine available in a choice of four formats (6x7cm, split 70mm, 46mm and non-perf 35mm). Options available include an adapter to elevate a prism viewfinder above the film magazine and an in-magazine negative identifier.

The Manual Converter 67M system is operated entirely by hand including cocking the camera, tripping the shutter, pushing the ID button and advancing the film. This unit is particularly useful outdoors, or where AC power is not available.

The electric Converter 67E requires cocking the camera and tripping the shutter manually. As the shutter is released, the id (if used) is applied and the film advances automatically.

The Converter 67Z is triggered and cocked by hand. After the camera is tripped, the film advances automatically. An indicator light is illuminated when the system is ready for operation.

The Converter 67Z Power Winder allows the camera to be tripped remotely. The camera automatically cocks and resets itself. The film automatically advances and is ready for the next frame.

### Converter Units

Converter 67 Manual (67001M)

Item # BEC67M.....517.50

Converter 67 Electric (67001E)

Item # BEC67E.....697.50

Converter 67Z (68001)

Item # BEC67Z.....529.95

### FILM BACKS

100' Precision cast aluminum film backs are secured with an easy on/off mechanism. They all feature a 3-digit film counter and can be used with daylight load spools or darkroom load cores. A signal from the film back disables the camera and triggers a warning light when the supply runs out. Film can be cut and removed in changing bags with partial use of the roll.

#### For Manual Converter RB

D-67 Back (94587M)

Uses 70mm film. Image area is 2<sup>3</sup>/<sub>8</sub>x2<sup>1</sup>/<sub>16</sub>" (6x7cm).

Item # BEFBD6767M.....607.50

Split 70 D-56 Back (93329M)

Uses 70mm film. Image area is 2.5x1.7" (6.4x4.3cm).

Item # BEFBD5667M.....607.50

46mm F-80 Back (93328M)

Uses 46mm film. Image area is 1.63x2.25" (4.1x5.7cm).

Item # BEFBF8067M.....607.50

C-55 Back (93324M)

Uses 35mm unperforated film.

Item # BEFBC5567M.....607.50

#### For Electric Converter RB

D-67 Back (94587X)

Uses 70mm film. Image area is 2<sup>3</sup>/<sub>8</sub>x2<sup>1</sup>/<sub>16</sub>" (6x7cm).

Item # BEFBD6767E.....709.95

Split 70 D-56 Back (93329X)

Uses 70mm film. Image area is 2.5x1.7" (6.4x4.3cm).

Item # BEFBD5667E.....709.95

46mm F-80 Back (93328X)

Uses 46mm film. Image area is 1.63x2.25" (4.1x5.7cm).

Item # BEFBF8067E.....709.95

35mm C-55 Back (93324X)

Uses 35mm unperforated film.

Item # BEFBC5567E.....709.95

Electric backs are also available in 240v AC. Add \$67.50

Assorted Beattie Film Backs



#### For Electric Converter RZ

D-67 Back (68067)

Uses 70mm film. Image area is 2<sup>3</sup>/<sub>8</sub>x2<sup>1</sup>/<sub>16</sub>" (6x7cm).

Item # BEFBD6767Z.....889.95

Split 70 D-56 Back (68070)

Uses 70mm film. Image area is 2.5x1.7" (6.4x4.3cm).

Item # BEFBD5667Z.....889.95

46mm Back (68046)

Uses 46mm film. Image area is 1.63x2.25" (4.1x5.7cm).

Item # BEFBF8067Z.....889.95

Electric backs are also available in 240v AC. Add \$67.50

We Ship Worldwide



# FILM BACKS

## BEATTIE LONG ROLL BACKS, *continued*

### NEGATIVE IDENTIFICATION FILM BACKS

One option is negative identification backs that allow you to insert a card or an envelope into the slot on the side of the camera. This permits you to place a name or preprinted number within a 2 x 1/2" writing area that will appear on the film. This unit is battery-powered for C-67M, AC powered for C-67E and C67Z models.

#### Negative ID Backs for Manual Converter RB

**D-67 Battery Edge ID Back**  
(94587M) (06715010)  
**Item #**  
**BEFBD67ID67M .....1,079.95**

**Split 70 D-56 Battery Edge ID Back**  
(93329M) (06715010)  
**Item #**  
**BEFBD56ID67M .....1,079.95**

**46mm F-80 Battery-Between-Frame ID Back**  
(93328M) (06715034)  
**Item #**  
**BEFBF80ID67M .....1,079.95**

**35mm C-55 Battery-Between-Frame ID Back**  
(93324M) (06715033)  
**Item #**  
**BEFBC55ID67M.....1,079.95**

#### Negative ID Backs for Electric Converter RB

**D-67 Electric Edge ID Back**  
(94587X) (06715000)  
**Item #**  
**BEFBD67ID67E.....1,182.50**

**Split 70 D-56 Electric Edge ID Back**  
(93329X) (06715000)  
**Item #**  
**BEFBD56ID67E.....1,182.50**

**46mm F-80 Electric-Between-Frame ID Back**  
(93328X) (06715024)  
**Item # BEFBF80ID67E..1,182.50**

**35mm C-55 Electric-Between-Frame ID Back**  
(93324X) (06715023)  
**Item # BEFBC55ID67E 1,182.50**

#### Negative ID Backs for Electric Converter RZ

**D-67 ID Back** (68067) (06715000)  
**Item # BEFBD67ID67Z 1,362.50**

**Split 70 D-56 ID Back** (68070) (06715000)  
**Item # BEFBD56ID67Z 1,362.50**

**46mm ID Back** (68046) (06715000)  
**Item # BEFBF80ID67Z.1,362.50**

*Electric ID Backs are also available in 240v AC. Add \$67.50*

**Intenscreen Plus Focusing Screen for Mamiya RB67** (83300)  
**Item # BEFSOMRB .....119.50**

**Intenscreen Plus Focusing Screen for Mamiya RB-67 in Frame** (83310)  
**Item # BEFSMRB.....146.95**

**Intenscreen Plus Focusing Screen for Mamiya RZ-67** (83320)  
**Item # BEFSMRZ.....146.95**

#### Optional Accessories

**Adapter for Mamiya Prism Viewfinder RB-67** (67100)  
**Item # BEAMPF67M .....174.95**

**Adapter for Mamiya Prism Viewfinder RZ-67** (68200)  
**Item # BEAMP.....224.95**

**Finder Mask - Vertical/ Horizontal (Specify Format)** (93409)  
**Item # BEM67.....11.95**

**Viewing Slide** (17550)  
**Item # BEVSD.....74.95**

**Power Cable with Fuse** (5549000)  
**Item # BEPCM.....44.95**

**Heavy Duty Shipping/Carrying Case** (180781)  
**Item # BECM .....241.95**

#### Horseman 2 1/4" Film Backs

Horseman 2 1/4" roll film backs feature smooth, positive film transport, maintain plane film surface and eliminate interior light reflections. Horseman film holders are easy to use. They are professionally designed and built to the highest quality standards, ensuring excellent film plane flatness.



**Roll Film Holder 1** (22401)  
6x9cm. 8 exposures on 120 roll film.  
**Item # HOFB69120VH..399.00**

**Roll Film Holder 2** (22402)  
6x7cm. 10 exposures on 120 roll film.  
**Item # HOFB67120VH..399.00**

**Roll Film Holder 3** (22403)  
6x9cm. 16 exposures on 220 roll film.  
**Item # HOFB69220VH..399.00**

**Roll Film Holder 4** (22404)  
6x7cm. 20 exposures on 220 roll film.  
**Item # HOFB67220VH..399.00**

#### Toyo Film Backs

Film backs for 2x3 cameras fit onto all Toyo quick sliding carriage adapters, as well as directly onto the Toyo 23G and 6x9cm Graflock backs. The film backs for 4x5" cameras can be inserted into any standard 4x5" camera back without removal of the focusing frame, just as when using an ordinary cut film back.

**6x7 Roll Film Holder** (180-727; 8032)  
For 2x3. Fits 23G or quick sliding carriage.  
**Item # TOFB67120SA....499.95**



**6x9 Roll Film Holder** (180-728; 8034)  
For 2x3. Fits 23G or quick sliding carriage.  
**Item # TOFB69120SA....499.95**

**6x7 Roll Film Holder** (180-725; 8031)  
For 4x5.  
**Item # TOFB6712045 ....599.00**

**6x9 Roll Film Holder** (180-726; 8033)  
For 4x5.  
**Item # TOFB6912045 ....599.00**



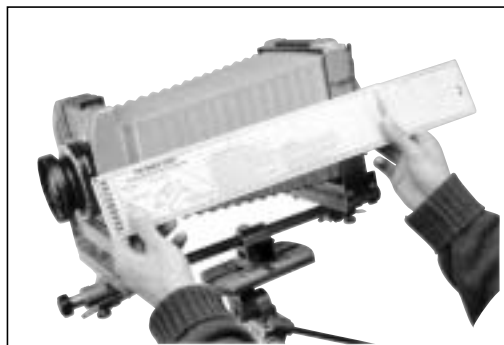
THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# ACCESSORIES

## ACCESSORIES

### Quick Stick



For computing bellows and lens extension corrections. Quick Stick gives corrections directly in stops. All three Quick Stick models are calibrated in  $\frac{1}{8}$  and  $\frac{1}{4}$  stops, and show correction as high as 5 stops (for repro ratios better than 2:1).

Quick Stick for 35mm and 2 $\frac{1}{4}$ " Square (QS1)

Item # **VIQS66** ..... **11.95**

Quick Stick for 4x5" (QS2)

Item # **VIQS45** ..... **31.95**

Quick Stick for 4x5 and 8x10" (QS3)

Item # **VIQSM810** ..... **47.95**

### Depth-of-Field Finder

Depth of Field Finder (DFF1)

Slide rule-style measuring device that tells you the depth-of-field you'll get with all popular 4x5 format lenses. Contains scales for 75, 90, 120, 150, 165, 180, 210, 300, and 360mm focal lengths. Indicates apertures from f/22 to f/64. Includes simple instructions for determining hyperfocal distance.

Item # **VIFDOF** ..... **27.95**

### Color Separation Guides

Kodak Color Separation Guide and Gray Scale Small Q13 (152-7654)

With Kodak Gray Scale and Color Control Patches. The gray scale is a strip of 20 stepped, neutral values and an 18% gray background that will help compare tone values of the original with the reproduced image. For copy-work, side-by-side comparisons of films, enlarging papers and color reproduction processes that require the use of masks, separation films and filters. Useful for photographers utilizing the Zone system. The Color Control Patches are for photos that will be used in web offset printing. Contains standard separation colors used in RGB and CMYK processes, that helps match the color in the reproduction to the original. They can also be used in comparing the relative reproduction characteristics of different films and papers. 8.5".

Item # **KOCSGS** ..... **18.50**

Kodak Color Separation Guide and Gray Scale Large Q14 (152-7662)

Same as above but 14 inches.

Item # **KOCSGL** ..... **25.95**



### Spirit Levels



Hama  
2-Bubble  
Spirit  
Level

Hama 2-Bubble  
Spirit Level (5411)

A precision-made block containing two bubbles in a transparent housing, and with foot for accessory shoe. 1.3 x 0.75 x 0.9".

Item # **HASLD** ..... **32.95**

Hama Single Spirit Level (5410)

Same as the Hama 2-Bubble Spirit Level, with only one single spirit level.

Item # **HASLS** ..... **23.50**

### Lens Spanner Wrench

Lens Spanner Wrench

Lens Spanner Wrench is used for installing or removing mounting rings on view camera lenses. Adjustable up to 3".

Item # **KALSW** ..... **44.95**

Toyo Lens

Mounting Wrench (180625)

For mounting and dismounting lenses with #0 and #1 shutters on any lensboard.

Item # **TOLMW** ..... **11.95**



Toyo  
Lens  
Mounting  
Wrench  
(180625)

### BULK LOADERS

#### 70mm Bulk Loaders

70mm Metal Cassette 15'

With reel.

Item # **GBCM70** ..... **38.95**

Hasselblad 70mm Film Cassette

For 70 back.

Item # **HAFCFB70** ..... **38.95**

#### Alden 70mm Daylight Bulk Loaders

Accepts 100' roll bulk film in regular or 150' thin film. Reloads 70mm cassettes in any footage you want. Daylight loading, with safety interlock to bulk film compartment.

Won't scratch film. Indicates film being put on cassette, and film lift in supply chamber. Orange knobs, dials and crank made of Eastman plastic. No felt light trap which may scratch film.



Alden 70mm Bulk Loader

Item # **ALBL70** ..... **129.95**

#### Kinderman 70mm Film Developing System

A 70mm bulk film loader used for spooling 70mm film in cassette. The film loader can also be used as a reel loader for film processing. 5 $\frac{1}{2}$  H x 7 $\frac{1}{2}$  diam. (14x19cm).

Kinderman 70mm  
Film Loader (EKM217)

Item # **KIL70** ..... **179.00**

Linhof Bulk  
Film Loader (002513)

Item # **LIBFL70** ..... **833.95**



# M I S C E L L A N E O U S

## LEVELS, WRENCHS, BUSHINGS, GRAY CARDS

### 18% Gray Cards

Correct exposure every time regardless of contrast, brightness or conditions. For color or black & white. Includes protective reusable zip lock pouch. Available in 2-pack standard card stock and Lifetime Plastic Gray Card. Both are 8"x10" size.

#### Kodak Gray Cards R-27

Helps determine exposure, lighting ratio, and lighting distribution. 18% reflectance – gray side; 90% reflectance – white side. Envelope contains two 8x10" cards and a 4x5" card, plus instructions.

**Item # KOGC.....14.95**

#### Gray Card 2-Pack 8"x10"

**Item # DEGC2.....7.99**

#### Gray Card Plastic 8"x10"

**Item # DEGCP.....7.99**

### Tripod Bushings

#### Tripod Bushings

Tripod bushing adapters are used when a camera comes with 3/8" tripod thread and 1/4" tripod screw is being used.

**Item # GBRB .....1.95**

#### Professional Adapter Bushing

Stainless steel double slotted. Same as above.

**Item # BRB.2538SS.....8.95**

#### Linhof Brass Bushing (004262)

**Item # LIRB.....8.95**



#### Gitzo Brass Bushing 4.6mm

**Item # GIG1140.....3.50**

#### Gitzo Brass Bushing 7.5mm

**Item # GIG1141.....3.50**

#### Gitzo Brass Bushing 8.6mm

**Item # GIG1142.....3.50**

#### Gitzo Brass Bushing 10mm

**Item # GIG1143.....3.50**

#### Sinar Reducing Bushing 3/8" to 1/4"

The Sinar Reducing Bushing is designed to be installed in the rail clamp from the top down, not from the bottom up. This allows greater security when using the 1/4" thread.

**Item # SIRB.....12.95**

### Camera Key

#### Camera Key (PK-1)

For all Hasselblad cameras. Recocks lenses when off the camera body and recocks the camera body when the lens is jammed on the camera.



#### Please Note:

Hasselblad suggests that this product be used only when the user understands proper use and potential damage from misuse.

**Item # VICK.....29.00**

### Markers, Pencils and Cleaners

#### White Grease Pencil

**Item # GBGPW .....0.79**

#### Black Grease Pencil

**Item # GBGPB.....0.79**

#### Blue Grease Pencil

**Item # GBGPBL .....0.79**

#### Red Grease Pencil

**Item # GBGPR.....0.79**

#### Pec-Pen

Fine tipped permanent marker for prints and negatives, etc. Quick drying and easily removed with Pec-12.

**Item # PHPPQ .....1.10**

#### Pec-12 Pump Spray Bottle

4 oz. pump spray bottle.

**Item # GBP1240.....9.95**

### Batteries



#### A76 (LR44) Alkaline Battery 1.5v

**Item # GB76A .....1.49**

#### MS76 (SR44)

Silver Oxide Battery 1.5v

**Item # GB76S.....3.50**

#### 2L76 (2LR44)

Lithium Battery 3v

**Item # GB76L.....4.95**

#### PX28 (4LR44)

Alkaline Battery 6v

**Item # GB28A .....6.95**

#### PX28 (4SR44)

Silver Oxide Battery 6v

**Item # GB28S.....7.95**

#### PX28 (544L) Lithium Battery 6v

**Item # GB28L.....9.95**

#### AA (L92) Lithium Battery 1.5v

**Item # GBAAL .....2.75**

#### AA Rechargeable

Nicad Battery

**Item # GBAAN .....2.49**

#### AA (E91) Alkaline Battery 1.5v

**Item # GBAA .....0.59**

#### AAA (E92)

Alkaline Battery 1.5v

**Item # GBAAA.....0.89**

#### C (E93) Alkaline Battery 1.5v

**Item # GBC.....1.19**

#### D (E95)

Alkaline Battery 1.5v

**Item # GBD.....1.29**

#### 9v (MN1604)

Alkaline Battery

**Item # GB9V.....1.99**

#### CR 2025 3v Lithium Battery

**Item # GBCR2025 .....1.79**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# FOCUSING SCREENS

## BEATTIE INTENScreens FOR FIELD & VIEW CAMERAS

Intenscreen Plus screens provide extra brightness, better resolution and contrast, or "snap" focus. Tests indicate a light transmission gain of up to 2 f/stops for Intenscreens over Fresnel screens in most cameras. All models combine a special image surface with a high quality corrective field lens (fresnel). They may be a two piece unit or be cast in one piece. Either way, you will receive the best optical focusing screen available.

INTENSREEN FOR 4X5"	MATTE PLAIN		1CM GRID SCREEN		½" GRID SCREEN		PRICE
	(MFG)	ITEM #	(MFG)	ITEM #	(MFG)	ITEM #	
Calumet 400	(85102)	BEFSC400	(85101)	BEFSG1C400	(85100)	BEFSG.5C400	174.95
Calumet 540	(85112)	BEFSC540	(85111)	BEFSG1C540	(85110)	BEFSG.5C540	174.95
Cambo 4x5	(85122)	BEFSC45	(85121)	BEFSG1C45	(85120)	BEFSG.5C45	174.95
Deardorf 4x5	(85132)	BEFSD45	(85131)	BEFSG1D45	(85130)	BEFSGD.545	174.95
Horseman 4x5	(85142)	BEFSH45	-	-	(85140)	BEFSG.5H45	184.95
Linhof 4x5	(85152)	BEFSL45	-	-	(85150)	BEFSG.5L45	174.95
Plaubel 4x5	(85162)	BEFSP45	(85161)	BEFSG1P45	(85160)	BEFSG.5P45	174.95
Sinar 4x5	(85172)	BEFSS45	(85171)	BEFSG1S45	(85170)	BEFSG.5S45	184.95
Toyo 4x5	(85182)	BEFST45	(85181)	BEFSG1T45	(85180)	BEFSG.5T45	184.95
Wista Field 4x5	(85192)	BEFSWF45	(85191)	BEFSG1WF45	(85190)	BEFSG.5WF45	174.95
Wista View 4x5	(85202)	BEFSWV45	(85201)	BEFSG1WV45	(85200)	BEFSG.5WV45	174.95
Wisner 4x5	(85212)	BEFSW45	(85211)	BEFSG1W45	(85210)	BEFSG.5W45	174.95
Zone VI 4x5	(85222)	BEFSZ645	(85221)	BEFSG1Z645	(85220)	BEFSG.5Z645	174.95



*Viewed with a standard screen*



*Viewed with a Beattie Intenscreen*

INTENSREEN FOR 5x7"	MATTE PLAIN		½" GRID SCREEN		PRICE
	(MFG)	ITEM #	(MFG)	ITEM #	
Calumet 5x7	(86102)	BEFSC57	(86100)	BEFSGC57	187.95
Cambo 5x7	(86122)	BEFSC57Q	(86120)	BEFSGC57Q	187.95
Deardorf 5x7	(86132)	BEFSDD57	(86130)	BEFSGDD57	187.95
Horseman 5x7	(86142)	BEFSH57	(86140)	BEFSGH57	187.95
Linhof 5x7	(86152)	BEFSL57	(86150)	BEFSGL57	187.95
Plaubel 5x7	(86162)	BEFSP57	(86160)	BEFSGP57	187.95
Sinar 5x7	(86172)	BEFSS57	(86170)	BEFSGS57	187.95
Toyo 5x7	(86182)	BEFST57	(86180)	BEFSGT57	187.95
Wista Field 5x7	(86192)	BEFSWF57	(86190)	BEFSGWF57	187.95
Wista View 5x7	(86202)	BEFSWV57	(86200)	BEFSGWV57	187.95
Wisner 5x7	(86212)	BEFSW57	(86210)	BEFSGW57	187.95
Zone VI 5x7	(86220)	BEFSZ657	(86222)	BEFSGZ657	187.95

INTENSREEN FOR 8x10"	MATTE PLAIN		½" GRID SCREEN		PRICE
	(MFG)	ITEM #	(MFG)	ITEM #	
Calumet 8x10	(88102)	BEFSC810	(88100)	BEFSGC810	198.95
Cambo 8x10	(88122)	BEFSC810Q	(88120)	BEFSGC810Q	198.95
Deardorf 8x10	(88132)	BEFSD810	(88130)	BEFSGD810	198.95
Horseman 8x10	(88142)	BEFSH810	(88140)	BEFSGH810	199.95
Linhof 8x10	(88152)	BEFSL810	(88150)	BEFSGL810	198.95
Plaubel 8x10	(88162)	BEFSP810	(88160)	BEFSGP810	198.95
Sinar 8x10	(88172)	BEFSS810	(88170)	BEFSGS810	199.95
Sinar P2 8x10	—		(88171)	BEFSGP2S810	199.95
Toyo 8x10	(88182)	BEFST810	(88180)	BEFSGT810	199.95
Wista Field 8x10	(88192)	BEFSWF810	(88190)	BEFSGWF810	198.95
Wista View 8x10	(88202)	BEFSWV810	(88200)	BEFSGWV810	198.95
Wisner 8x10	(88212)	BEFSW810	(88210)	BEFSGW810	198.95
Zone VI 8x10	(88222)	BEFSZ6810	(88220)	BEFSGZ6810	198.95

**All items are complete with all accessories as supplied by the manufacturer**



# FOCUSING SCREENS

## BEATTIE INTENScreens FOR MEDIUM FORMAT

Intenscreen Plus screens provide extra brightness, better resolution and contrast, or “snap” focus. Tests indicate a light transmission gain of 2 f/stops for Intenscreens Plus over standard screens in most cameras. All models combine a special image surface with a high quality corrective field lens (fresnel). They may be a two piece unit or be cast in one piece. Either way, you will receive the best optical focusing screen available.

INTENSscreen PLUS FOR	MATTE PLAIN		MATTE WITH GRID		HORIZONTAL SPLIT IMAGE PLAIN		PRICE
	(MFG)	ITEM #	(MFG)	ITEM #	(MFG)	ITEM #	
Bronica ETR/ETRS/ETRSi	(83410)	BEFSBE	(83411)	BEFSGBE	(83412)	BEFSSIHBE	134.95
Bronica SQ/SQ-A/SQ-Ai/SQ-AM	(83400)	BEFSBS	(83401)	BEFSGBS	(83402)	BEFSSIHBS	112.95
Bronica GS-1	(83420)	BEFSBG	(83421)	BEFSGBG	(83422)	BEFSSIHBG	103.95
Fuji G617/GX617	(83710)	BEFSFG617	(83711)	BEFSGFG617	—	—	187.95
Fuji GX-680	(83700)	BEFSFGX680	(83701)	BEFSGFGX680	(83702)	BEFSSIHFGX68	142.95
Hasselblad 500CM, ELM, ELX	(83100)	BEFSHCM	(83101)	BEFSGHCM	(83120)	BEFSSIHHCM	139.95
Hasselblad 500C, EL	(83130)	BEFSHC	(83131)	BEFSGHC	(83150)	BEFSSIHHC	126.95
Hasselblad 500CM,ELX,8x10 Format	(83102)	BEFSHCMQ	—	—	(83122)	BEFSSIHCMQ	139.95
Hasselblad 500,EL,8x10 Format	(83131)	BEFSGHC	—	—	(83152)	BEFSSIHHCQ	126.95
Mamiya 645/1000S w/Frame	(83330)	BEFSM645	(83331)	BEFSGM645	(83332)	BEFSSIH645	109.95
Mamiya 645 Super/Pro w/Frame	(83340)	BEFSM645S	(83341)	BEFSGM645S	(83342)	BEFSSIH645P	126.95
Mamiya C330/C330F	(83350)	BEFSMC330	(83351)	BEFSGMC330	(83352)	BEFSSIDMC33Z	109.95
Mamiya C330S	(83360)	BEFSMC330S	(83361)	BEFSGMC330S	(83362)	BEFSSIHMC33Q	109.95
Mamiya RB67/Pro/SD w/Frame	(83310)	BEFSMRB	(83311)	BEFSGMRB	(83312)	BEFSSIHMRB	146.95
Mamiya RZ67 Pro w/Frame	(83320)	BEFSMRZ	(83321)	BEFSGMRZ	(83322)	BEFSSIHMRZ	146.95
Pentax 645	(83610)	BEFSP645	(83611)	BEFSGP645	(83612)	BEFSSIH645	114.95
Pentax 6x7	(83600)	BEFSP67	(83601)	BEFSGP67	(83602)	BEFSSIH67	112.95
Rolleiflex TLR 64x68mm New Style	(83500)	BEFSRTL	(83501)	BEFSGRTL	(83502)	BEFSSIHRTL	119.95
Rolleiflex TLR 56x64mm Old Style	(83520)	BEFSRTLQ	(83521)	BEFSGRTLQ	(83522)	BEFSSIHRTLQ	119.95
Rolleiflex SLX,SL66E,SL6000 Ser	(83510)	BEFSRSL	(83511)	BEFSGRSL	(83512)	BEFSSIHR6	119.95

INTENSscreen PLUS FOR	HORIZONTAL SPLIT IMAGE WITH GRID		DIAGONAL SPLIT IMAGE PLAIN		DIAGONAL SPLIT IMAGE WITH GRID		PRICE
	(MFG)	ITEM #	(MFG)	ITEM #	(MFG)	ITEM #	
Bronica ETR/ETRS/ETRSi	(83413)	BEFSSIHGBE	(83414)	BEFSSIDBE	(83415)	BEFSSIDGBE	134.95
Bronica SQ/SQ-A/SQ-Ai/SQ-AM	(83403)	BEFSSIHGBS	(83404)	BEFSSIDBS	(83405)	BEFSSIDGBS	112.95
Bronica GS-1	(83423)	BEFSSIHGBG	(83424)	BEFSSIDBG	(83425)	BEFSSIDGBG	103.95
Fuji GX-680	(83703)	BEFSSIHFGX6	(83704)	BEFSSIDFGX68	(83705)	BEFSSIDFGX6	142.95
Hasselblad 500CM, ELM, ELX	(83121)	BEFSSIHGHCM	(83110)	BEFSSIDHCM	(83111)	BEFSSIDGHCM	139.95
Hasselblad 500C, EL	(83151)	BEFSSIHGHC	(83140)	BEFSSIDHC	(83141)	BEFSSIDGHC	126.95
Hasselblad 500CM,ELX,8x10 Format	—	—	(83112)	BEFSSIDHCMQ	—	—	139.95
Hasselblad 500,EL,8x10 Format	—	—	(83142)	BEFSSIDHCQ	—	—	126.95
Mamiya 645/1000S w/Frame	(83333)	BEFSSIHGM645	(83334)	BEFSSIDM645	(83335)	BEFSSIDGM645	109.95
Mamiya 645 Super/Pro w/Frame	(83343)	BEFSSIHGM64Q	(83344)	BEFSSIDM645P	(83345)	BEFSSIDGM64Q	126.95
Mamiya C330/C330F	(83355)	BEFSSIDGMC3Z	(83354)	BEFSSIDMC330	(83355)	BEFSSIDGMC33	109.95
Mamiya C330S	(83363)	BEFSSIHGMC3Q	(83364)	BEFSSIDMC33Q	(83365)	BEFSSIDGMC3Q	109.95
Mamiya RB67/Pro/SD w/Frame	(83313)	BEFSSIHGMRB	(83314)	BEFSSIDMRB	(83315)	BEFSSIDGMRB	146.95
Mamiya RZ67 Pro w/Frame	(83323)	BEFSSIHGMRZ	(83324)	BEFSSIDMRZ	(83325)	BEFSSIDGMRZ	146.95
Pentax 645	(83613)	BEFSSIHGP645	(83614)	BEFSSIDP645	(83615)	BEFSSIDGP645	114.95
Pentax 6x7	(83603)	BEFSSIHGP67	(83604)	BEFSSIDP67	(83605)	BEFSSIDGP67	112.95
Rolleiflex TLR 64x68mm New Style	(83503)	BEFSSIHGRTL	(83504)	BEFSSIDRTL	(83505)	BEFSSIDGRTL	119.95
Rolleiflex TLR 56x64mm Old Style	(83523)	BEFSSIHGRTLQ	(83524)	BEFSSIDRTLQ	(83525)	BEFSSIDGRTLQ	119.95
Rolleiflex SLX,SL66E,SL6000 Ser	(83513)	BEFSSIHGR6	(83514)	BEFSSIDR6	(83515)	BEFSSIDGR6	119.95

Beattie Intenscreens are also available for Mamiya C220. Please Inquire.

# FOCUSING SCREENS

## BEATTIE INTENScreens, *continued*

### For 6x9 Field and View Cameras

Beattie 6x9 Intenscreens are available plain or with 1cm grid.

Arca Swiss 6x9 Plain (85031) Item # BEFSAS69.....174.95	Cambo 6x9 Plain (85041) Item # BEFSC69.....174.95	Linhof 6x9 Plain (85021) Item # BEFSL69.....174.95	Mamiya Universal 6x9 Plain (85011) Item # BEFSMU69.....174.95
Arca Swiss 6x9 Grid (85030) Item # BEFSGAS69.....174.95	Cambo 6x9 Grid (85040) Item # BEFSGC69.....174.95	Linhof 6x9 Grid (85020) Item # BEFSGL69.....174.95	Mamiya Universal 6x9 Grid (85010) Item # BEFSGMU69.....174.95
Toyo 6x9 Plain (85051) Item # BEFST69.....174.95		Toyo 6x9 Grid (85050) Item # BEFSGT69.....174.95	

*Intenscreens are also available for more 8x10 and 11x14 cameras on special order. Please inquire.*

## FRESNEL LENSES, GLASS COVER PLATES, SCREENS, FLANGES

### Beattie Fresnel Lenses

Fresnel lens are used for very short wide-angle lenses. They can be installed by either replacing the anti-reflective glass (which is packed with the Intenscreen) with the Fresnel lens, or by taping the Fresnel to the outside cover with heavy photographer's tape. (Sinar users may use an original Sinar Fresnel lens in the holder for this purpose.)

Fresnel Lens for Wide-Angle 4x5 (85998) Please specify camera model. Item # BELF45.....27.95	Fresnel Lens for Wide-Angle 5x7 (86998) Please specify camera model. Item # BELF57.....51.95
---	---

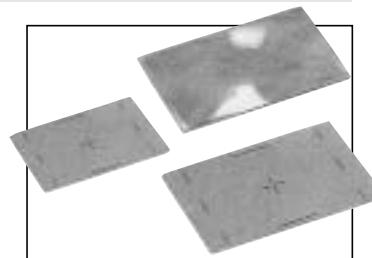
Fresnel Lens for Wide-Angle 8x10 (88998) Please specify camera model. Item # BELF810.....51.95
--

### Beattie Glass Cover Plates

A scratch-resistant clear glass exterior cover plate with anti-reflective coating on both sides.

Cover Glass 4x5 (85999) Please specify camera model. Replacement. Item # BECG45.....21.95
--

Cover Glass 5x7 (86999) Please specify camera model. Replacement. Item # BECG57.....25.95
--



Cover Glass 8x10 (88999) Please specify camera model. Replacement. Item # BECG810.....29.95
--

### Bosscreen with Black Grid

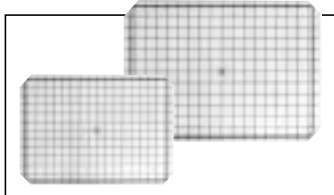
For any large format cameras. Retains the in-focus/out-of-focus snap of fine ground glass, but eliminates the grainy texture.

4x5 Bosscreen (1702) Please specify camera model. Item # BOFSG45B.....156.95
--

8x10 Bosscreen (1705) Please specify camera model. Item # BOFSG810B.....209.95
--

### Fresnel Lenses with Black Grid

Fresnel lenses offer a brighter viewing area to judge both camera movements and focusing. The Fresnel can easily be snapped into place over the groundglass.



4x5 Fresnel Set (1731) Please specify camera model. Item # BRF45.....58.95
--

8x10 Fresnel Set (1734) Please specify camera model. Item # BRF810.....128.50
---

### Groundglass with Black Grid

4x5 Groundglass (1722) Please specify camera model. Item # BRGG45B.....33.50
--

8x10 Groundglass (1724) Please specify camera model. Item # BRGG810.....98.95
---



### Large Format Lens Flanges

Lens Flange "0" Shutter 32.5 x 0.5mm thread. (Replacement.). Item # ROJN32.5.....12.50	Lens Flange "1" Shutter 39 x 0.75mm thread. (Replacement.). Item # ROJN39.....12.50	Lens Flange "3" Shutter 62 x 0.75mm thread. (Replacement.). Item # ROJN62.....22.50
---	--	--



# SHUTTERS/LENSBOARDS

## COPAL SHUTTERS, LENSBOARDS

### Copal Shutters

High performance, durable and large size shutters designed for the professional photographer. Charging the shutter, opening or closing the shutter blades, changing the shutter speeds, changing the aperture stop can be manipulated in any order without the least ill effect on the shutter mechanism. All shutters include rear retaining rings.



Copal #0 Shutter Item # <i>COS0</i> ..... <b>224.95</b>	Copal #1 Press Shutter Item # <i>COPS1</i> ..... <b>248.95</b>
Copal #0 Press Shutter Item # <i>COPS0</i> ..... <b>209.95</b>	Copal #3 Shutter (3585) Item # <i>COS3</i> ..... <b>559.95</b>
Copal #1 Shutter Item # <i>COS1</i> ..... <b>297.95</b>	

### COPAL SHUTTER SPECIFICATIONS

SHUTTER TYPE	#0	PRESS #0 SELF-COCKING	#1	PRESS #1 SELF-COCKING	#3
SHUTTER SPEEDS	1 to 1/500 sec +B and T	1 to 1/125 sec +B	1 to 1/400 sec +B and T	1 to 1/125 sec +B	1 to 1/125 sec +B and T
X-SYNC	✓	✓	✓	✓	✓
MAXIMUM IRIS OPENING	24mm 5-Blade	24mm 5-Blade	30mm 7-Blade	30mm 6-Blade	45mm 7-Blade
LENS MOUNTING FRONT	29.5mm	29.5mm	40mm	40mm	56mm
LENS MOUNTING REAR	29.5mm	29.5mm	35mm	36mm	56mm
OUTER DIAMETER	61mm	63mm	73mm	73mm	102mm
WEIGHT	4oz (115g)	3.5oz (100g)	5.6oz (160g)	4oz (115g)	12oz (340g)

*Subject to change without notice*

### METAL LENSBOARDS

Metal flat lensboards are available for a number of cameras, undrilled or predrilled for copal shutter sizes, ready to use. Shuttered lens will attach by locking retaining ring onto board.

#### 96x99 Technika/Wista Type Lensboards

Blank Lensboard, Undrilled Item # <i>GBLBBLT</i> ..... <b>38.95</b>	#1 Lensboard (1401) Item # <i>GBLB1LT</i> ..... <b>38.95</b>
#0 Lensboard (1400) Item # <i>GBLB0LT</i> ..... <b>38.95</b>	#3 Lensboard (1403) Item # <i>GBLB3LT</i> ..... <b>38.95</b>
#0 Recessed Lensboard (1408) Item # <i>BRLBROLT</i> ..... <b>122.50</b>	

#### Graphic Type Lensboards

Blank Lensboard, Undrilled (1469) Item # <i>GBLB BG</i> ..... <b>28.95</b>	#1 Lensboard (1461) Item # <i>GBLB1G</i> ..... <b>38.95</b>
#0 Lensboard (1460) Item # <i>GBLB0G</i> ..... <b>38.95</b>	#3 Lensboard (1463) Item # <i>GBLB3G</i> ..... <b>38.95</b>
Blank Lensboard (Undrilled) for 2¼ x 3¼ Models (1468) Item # <i>GBLB B69G</i> ..... <b>28.95</b>	

#### 139x139 Sinar/Horseman View Type Lensboards

Blank Lensboard, Undrilled (1439) Item # <i>GBLBBS</i> ..... <b>47.95</b>	#1 Lensboard (1431) Item # <i>GBLB1S</i> ..... <b>49.90</b>
#0 Lensboard (1430) Item # <i>GBLB0S</i> ..... <b>49.90</b>	#3 Lensboard (1433) Item # <i>GBLB3S</i> ..... <b>49.90</b>

#### 110x110 Toyo Field Type Lensboards

Blank Lensboard, Undrilled (1459) Item # <i>GBLB BT</i> ..... <b>48.95</b>	#1 Lensboard (1451) Item # <i>GBLB1TF</i> ..... <b>48.95</b>
#0 Lensboard (1450) Item # <i>GBLB0TF</i> ..... <b>48.95</b>	#3 Lensboard (1453) Item # <i>GBLB3TF</i> ..... <b>48.95</b>

#### 158x158 Toyo View Type Lensboards

Blank Lensboard, Undrilled (1449) Item # <i>GBLB BT</i> ..... <b>39.95</b>	#0 Lensboard (1440) Item # <i>GBLB0TV</i> ..... <b>39.95</b>	#1 Lensboard (1441) Item # <i>GBLB1TV</i> ..... <b>29.95</b>	#3 Lensboard (1443) Item # <i>GBLB3TV</i> ..... <b>39.95</b>
---	---	---	---



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# EXTENDERS/VIEWERS

H O R S E M A N , K E N K O , T I F F E N , P E A K

## Large Format Teleconverter

### Horseman 2x LF Teleconverter 150-300 (25231)

For large-format lenses. Enables you to convert most 150mm focal distance lenses up to 300mm. The 7-element, 5-group construction uses extra-dispersion glass so as not to effect the sharpness, color balance or image circle of the original lens. The exposure factor is two f-stops. Mounting and unmounting is easily achieved. Its compact size makes it perfect for on-location shooting.

Item # **HOTCLF**.....**464.95**



## Teleconverters for Medium Format Cameras

KENKO Teleplus MC6 is a multi-coated converter, precision engineered to the highest technical specifications, well comparable with those of high-priced lenses. Fully automatic coupling with the camera's mechanism. Exposure factor is 2 stops.

Teleplus MC6 for Hasselblad (MC6H)  
Item # **KE2XH**.....**279.00**

Teleplus MC6 for Mamiya RB67 (MC6M67RB)  
Item # **KE2XMRB**.....**399.00**

Teleplus MC6 for Mamiya M645 (MC6M645)  
Item # **KE2XM645**.....**259.95**

Teleplus MC6 for Pentax 6x7 (MC6P67)  
Item # **KE2XP67**.....**414.95**

## Tiffen Contrast Viewing Filters

Balancing lighting by eye is a matter of experience. Decisions can be aided through the use of contrast viewing filters. These are designed to handicap the eye, with its much greater range of apparent densities, to resemble the range of the various types of film. Use contrast viewers to judge relative highlight and shadow densities. There are viewers for black-and-white film, as well as various viewer densities for color film. A darker viewer is used for a slower film speeds, where you would tend to use brighter lighting. Faster film, which can be used in dimmer settings, would require a lighter viewer.

#1 Black & White Viewing Filter 90-50  
For black and white imaging.  
Item # **TIVF1**.....**29.50**

#2 Color Viewing ND 2.0 Filter  
For film speeds to 100. Can also be used for video.  
Item # **TIVF2**.....**29.50**

#3 Color Viewing Filter for Fast Film  
For faster films. Best suited for lower light levels. Can also be used for video.  
Item # **TIVF3**.....**29.50**



#4 Process Viewing Filter Green Glass  
For process photography.  
Item # **TIVF4**.....**29.50**

#5 Blue Screen Viewing Filter  
For blue screen work, as well as for setting up color video monitors.  
Item # **TIVF5**.....**29.50**

## Peak Viewing Filters

Renders tonal values as they will be reproduced by the film. Preview shadows and highlights. Folds into case. Supplied with eyelet for neck strap.

Viewing Filter PV1F for Black & White (1967M)  
Item # **PE1967M**.....**49.95**

Viewing Filter TC1F for Color (1967C)  
Item # **PE1967C**.....**49.95**



## KENKO TELEPLUS SPECIFICATIONS

	HASSELBLAD	MAMIYA RB	MAMIYA 645	PENTAX 67
WEIGHT:	12.5oz (355g)	21.5oz (610g)	9.2oz (260g)	19.9oz (565g)
LENGTH:	2.6" (67mm)	3.6" (92mm)	2" (53mm)	3" (77mm)
MAGNIFICATION:	2x	2x	2x	2x
DEPTH-OF-FIELD:	1/2 of Prime Lens	1/2 of Prime Lens	1/2 of Prime Lens	1/2 of Prime Lens
MINIMUM FOCUSING DISTANCE:	Same as Prime Lens	Same as Prime Lens	Same as Prime Lens	Same as Prime Lens
LENS CONSTRUCTION:	6 Elements in 5 Groups	6 Elements in 5 Groups	6 Elements in 5 Groups	6 Elements in 5 Groups
EXPOSURE COMPENSATION:	2 stops	2 stops	2 stops	2 stops

**Most Orders Shipped Within 24 Hours**

# 2 - WAY RADIOS

MOTOROLA / KENWOOD

## Motorola Spirit Radios

Motorola Spirits are durable lightweight clear dependable communications designed for short range wireless solutions. They all come with a private line feature to eliminate unwanted conversations from other nearby users. Select models offer extra features such as multiple channels, scanning capability and built-in hands free operation. Range for 1 and 2 watt VHF models is up to 160,000 sq. ft. or 10 floors in and around structures or 2-4 miles in open flat areas with few obstructions. Range for 1 & 2 watt UHF models is up to 250,000 sq. ft. or 20 floors in and around structures or 6 miles in open flat areas with few obstructions. High power models (MV52CST & SU42CST) offer increased range over the 1 and 2 watt models by up to 20%. Spirit 1 & 2 watt models are shadow bronze in color, Spirit high power models are light gray in color. All Spirit radios and accessories are backed by Motorola's authorized One-Year Over The Counter Exchange Warranty. All Spirit radios come complete with standard antenna, rechargeable Ni-Cd battery, belt clip, wall charger or desktop charger depending on model, user manual and warranty card.



*Spirit Radio*

### VHF RADIOS

	Watt	Channel	Voice Activated	Scan	Charger	Item #	Price Each
MV11C	1	1	NO	NO	WALL	MOMV11C	198.95
MV21CV	2	1	YES	NO	WALL	MOMV21CV	219.95
MV22CV	2	2	YES	NO	WALL	MOMV22CV	249.95
MV22CVS	2	2	YES	YES	WALL	MOMV22CVS	279.95
MV24CVST	2	4	YES	YES	DESKTOP	MOMV24CVST	299.95
MV52CST	5	2	NO	YES	DESKTOP	MOMV52CST	389.95

### UHF RADIOS

	Watt	Channel	Voice Activated	Scan	Charger	Item #	Price Each
MU21CV	2	1	YES	NO	WALL	MOMU21CV	249.95
MU22CV	2	2	YES	NO	WALL	MOMU22CV	269.95
MU22CVS	2	2	YES	YES	WALL	MOMU22CVS	289.95
MU24CVST	2	4	YES	YES	DESKTOP	MOMU24CVST	319.95
SU42CST	4	2	NO	NO	DESKTOP	MOSU42CST	399.95

## Spirit Accessories

### Replacement

Nicad Battery (HNN9056)

Item # MOHNN9056.....**34.95**

### 10-hour Desktop

Charging Tray (HNN9204)

Item # MOHNN9204.....**24.95**

### 3-Hour Quick Charger (HNN9205)

Item # MOHNN9205.....**54.95**

### Hand-Held Speaker

Microphone (HNN9026)

Item # MOHNN9026.....**59.95**

### Headset with

Swivel Boom Mic (HNN9038)

Item # MOHNN9038.....**59.95**

### Earpiece with Microphone (HNN9039)

Item # MOHNN9039.....**54.95**

### Leather Case (MR6046)

Item # MOMR6046.....**29.95**

## Kenwood FreeTalk

### FreeTalk Personal Radio (UBZLF14B)

Chic, lightweight and tough, Kenwood's FreeTalk is ideal for staying in touch with family and friends. Because it's an FRS (Family Radio Service) transceiver, you don't need a license. Yet it has a maximum range of 2 miles. It costs nothing to use, and can operate for up to 38 hours. With the unique PrivacyTalk feature, you can talk anywhere—out in the countryside or in a crowded mall—without fear of eavesdropping. And FreeTalk has 14 channels and 38 talk groups—when combined with PrivacyTalk that gives you 1064 ways to communicate!

Requires 3 AA alkaline batteries.

Dimensions: 2.2 x 4.0 x 1.0" (WxHxD).

Weighs 6.3 oz. (including 3 AA batteries and belt clip).

Item # KEUBZLF14B.....**149.95**



*FreeTalk Personal Radio (UBZLF14B)*

### Speaker Microphone (SMC-34)

Enables auto channel select as well as 3-key remote control and volume control of your FreeTalk transceiver. Swivel clip. Splash-proofing.

Item # KESMC34.....**39.95**

### Headset (HMC-3)

For hands-free use of the FreeTalk, which you can strap to your belt. Choice of VOX mode for voice-activated TX/RX (transmit/receive) and PTT mode for manual switching between transmit & receive.

Item # KEHMC3.....**54.95**

### Clip Microphone (EMC-3)

Clips to a shirt or jacket collar. Supplied with an earphone for clear reception

Item # KEEMC3.....**29.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

PRO ACCESSORIES

289



# LADDERS

## PRO-STEP

*For the photographer or videographer who still struggles with a heavy, unstable and unsightly carpenter-style ladder, the Pro-Step line of ladders will help you look and feel like a professional.*

*Made of feather-weight aluminum and seamless tubular construction, the Pro-Step is both easy to carry and full of sturdy support. While reinforced treads and locking platform provide extra stability - even on the top step - Pro-Step's anti-slip footings and full length support bar insure balance and safety.*

*The Pro-Step features front mounted, velcro fastened signboard, into which fits a letter-size sheet of paper that can include a company logo and congratulatory message, protected edges which guard against scratches and support bar for "rock steady" stability on platform.*



*When you absolutely need the height, Pro-Step gives you the confidence.*

3-Step Aluminum Ladder  
Item # PRL3SA.....**149.00**

3-Step Black Ladder  
Item # PRL3SB.....**169.00**

4-Step Aluminum Ladder  
Item # PRL4SA.....**159.00**

4-Step Black Ladder  
Item # PRL4SB.....**179.00**

5-Step Aluminum Ladder  
Item # PRL5SA.....**179.00**

5-Step Black Ladder  
Item # PRL5SB.....**199.00**

6-Step Aluminum Ladder  
Item # PRL6SA.....**203.95**

6-Step Black Ladder  
Item # PRL6SB.....**224.00**

### Pro-Pouch

Never lose an accessory again! The Pro-Pouch slips onto any Pro Step ladder. Made of indestructible Cordura, the Pro-Pouch has three front pouches for holding lenses and two side pouches for batteries, tapes and accessories.

Item # PRPP1 .....**49.95**



### PRO-STEP SPECIFICATIONS

Model	3-STEP	4-STEP	5-STEP	6-STEP
Maximum Weight Capacity	325 lbs. (147kg)	325 lbs. (147kg)	325 lbs. (147kg)	325 lbs. (147kg)
Platform Height	27" (66cm)	36" (91cm)	44" (112cm)	53" (135cm)
Weight	5 lbs. (2.3kg)	6 lbs. (2.7kg)	8 lbs. (3.6kg)	9 lbs. (4kg)
Width at Bottom	16½" (42cm)	17½" (44cm)	19" (48cm)	20" (50cm)
Depth at Bottom (Open)	26" (66cm)	31½" (80cm)	39" (99cm)	45" (114cm)
Folded Dimensions H.W.D.	52 x 16.5 x 4.5" (132 x 42 x 11cm)	61 x 17.5 x 4.5" (155 x 44 x 11cm)	69 x 19 x 4.5" (175 x 48 x 11cm)	78 x 20 x 4.5" (198 x 51 x 11cm)

*Subject to change without notice*

**We Exhibit at National and Regional Shows/Conventions**



# The Professional Photo SourceBook

## Section 6

### Loupes

35mm, All-Purpose . . .	292, 294-299
2¼", All-Purpose . . . . .	293
Groundglass, All-Purpose . .	292, 299
All-Purpose, Misc. . . . .	292-299
Linen Testers . . . . .	299

# LOUPES

## 35mm / ALL PURPOSE FOCUSING LOUPES

Rodenstock  
Loupe  
4x



Schneider  
Loupe 4x



Carl  
Zeiss  
Triotar  
T\* Loupe  
5x



Peak  
Zoom  
Loupe  
816

Wista  
Standard  
Focusing  
Loupe 5x



Iston APO  
4x Loupe

**Rodenstock Loupe 4x** (260010)  
4x magnifier. Free of visible distortion, even at the border area. Minimizes stray light even against very bright backgrounds. Built-in focusing diopter, 25mm wide eye-point with built-on rubber eye cup. Base is built with a sliding hood. Easily converts loupe from 73x52mm opaque (for viewing film) to clear (for prints or groundglass focusing). Dimensions are 2.9 x 2" (73 x 52mm). Weighs 2.8oz. (80g).  
**Item # ROL4X.....99.95**

**Schneider Loupe 4x**  
High quality multi-coated 4x magnifier with optimal image quality. 30mm wide eye-point allows less eye fatigue. Built-in focusing diopter. Bottom skirt is interchangeable for film, print and glass viewing. Dimensions are 2.7 x 1.9" (68 x 48mm). Weighs 2.4 oz. (68g).

**Black** (080-37642)  
**Item # SCL4XB.....109.00**

**Blue** (080-26073)  
**Item # SCL4XBL.....118.95**

**Gray** (080-26074)  
**Item # SCL4XG.....118.95**

**Pink** (080-26075)  
**Item # SCL4XP.....118.95**

**Schneider Aspheric Loupe 6x**  
Same as above with 6x magnification, and aspheric glass elements. Available in black color. Weighs 3.8 oz. (106g).  
**Item # SCL6XA.....254.00**

**Iston APO 4x Loupe**  
Copy of the German 4x loupe. Coated aspherical glass optics with built-in focusing diopter. Shows full 35mm slide. Includes 2 interchangeable skirts - clear for viewing prints and black for viewing slides. Metal construction. 26mm wide eye point; 2 x 2.6" (50 x 66mm). Weighs 3.5 oz. (100g).  
**Item # ISL4X.....49.95**

**Focus Extension Ring**  
For APO 4x.  
**Item # ISFERL4X.....9.95**

**Contax Triotar T\* Loupe 5x** (680-010)  
A Carl Zeiss high-performance, 2-group, 3-element 5x magnifying glass featuring a wide visual field of coverage (24x36mm). Optical glass manufactured with world famous Carl Zeiss' T\* coating. Effective viewing field of 45mm. 20mm wide eye point allows less fatigue. Built-in focusing adapter adjustable between +0.5 and -4. The lower section is designed with a sleeve interchange "Transparent Light Sleeve" for viewing prints, and the "The Shading Sleeve" for viewing slides on a light box. 2 x 22.4" (52 x 62mm). Weighs just 3.4oz (95g).  
**Item # COL5X .....179.95**

**NPC Pro Loupe 5.5x**  
5½" magnification integral black anodized aluminum loupe with an aluminum skirt that can be used in the up or down position for viewing prints or transparencies, or as a focusing aid with a view camera. 45mm effective viewing field. Dimensions are 2.2 x 2.4" (56 x 62mm). Weighs 5oz. (142g).  
**Item # NPL5.5X.....109.95**

### Kenko Precision Loupes

**Precision Loupe 4x** (PR-4X)  
Fully covers 35mm film frame. For viewing slide or negative film with adjustable focus. The 45mm base with a sliding hood, easily converts from opaque (for viewing film) to clear (for viewing prints). 1G, 2E construction. Dimensions are 2.2 x 3" (55 x 76mm). Weighs 3.9 oz. (110g).  
**Item # KELP4X .....89.95**

**Precision Loupe 6x** (PR-6X)  
Same as above with 6x magnification. Its dimensions are 2.2 x 3.1" (55 x 78mm), and it weighs 5.3 oz. (150g).  
**Item # KELP6X .....119.95**



**Peak Zoom Loupe 816** (PK2044)  
Permits stepless change of magnification for zooming. Composed of 8 lenses in 6 groups for zooming from 8x to 16x, it keeps sufficient brightness in each stage of magnification with the least optical aberration. The black body, with finished aluminum precision machining, allows smooth zooming. Click stops of desired magnification from 8x, 10x, 12x, 14x and 16x. Multi-groove screw helicoid system for diopter focus adjustment (+2.5 to -5) ensures smooth operation. Field of view zooms 20mm to 10mm. Dimensions are 1.8x2.6" (45x65mm), weight 5.3oz. (149g).  
**Item # PE2044 .....189.95**

**Wista Standard Focusing Loupe 5x** (1046)  
A powerful 5x magnifier designed for all-purpose viewing. 3-element optical glass, a built-in focusing diopter, interchangeable bottom skirts for viewing prints and for groundglass or slide viewing. With neck strap.  
**Item # WIL5X.....49.95**

### Canon Loupes

**Canon Loupe 4x** (C559351)  
High performance super spectra coated magnifier for viewing a full-size 35mm frame in high resolution. Color aberration and distortion is completely eliminated. 30mm wide-eye point allows less fatigue. Focusable from -4 to +1 diopter. Bottom skirt is interchangeable for film and print viewing. Includes 2 skirts, eyecup, eyecup with neck strap and case. Dimensions are 2 x 2.5" (53 x 63mm). Weighs 3.8oz. (180g).  
**Item # CAL4X.....129.95**

**Canon Loupe 8x** (C559361)  
Same as above with 8x magnification. 4 groups, 2 elements. Dimensions are 2 x 1.6" (51 x 41mm). Weighs 3.4 oz. (96g).  
**Item # CAL8X.....169.95**



## 2 1/4" / ALL PURPOSE LOUPES

### Eschenbach Standlupe 4x (GEB627)

A large 4x full-frame magnifier. Aspherical acrylic lens with duplex coating gives sharp images over a 3" field of view. High eye-point allows the eye to be further away from the loupe. Great for larger slides, negatives and prints. Eye piece width has 55mm effective viewing field (66x66mm). Dimensions are 3 x 3 x 2.4" (78 x 76 x 60mm), weight only 3oz. (84g).

**Item # ES2616.....29.95**

### Kenco Excelupe 5x (EC5X)

High quality all-purpose 5x magnification loupe that covers the 6x6 frame, with high eye-point. Distortion free. Adjustable focusing lens. The base is built with a translucent skirt for viewing prints or slides. Multicoated, 2G, 3E construction with a 55mm effective field of view. 2.5 x 2.7" (64 x 68mm). Weighs just 7.4 oz. (210g).

**Item # KELE5X.....119.95**

### Horizon 4x Stand Loupe (GHZ104)

This all-purpose loupe uses high resolution lenses with chromatic aberration. Wide square vision (48 x 48mm). Features both a semi-transparent and black bottom skirt for use with different lighting conditions. Includes built-in focusing diopter with a 29mm wide eye-point. Dimensions are 2 x 2 x 2.6" (54 x 54 x 65mm), weight 3.6oz. (104g).

**Item # HOL4XVF.....39.95**

### Schneider 6x6 Magnifier (08039816)

High quality multicoated 4x magnifier with optimal image quality. 30mm wide eye point for less eye fatigue. Built-in focusing diopter. 56x56mm bottom skirt is interchangeable for film, print and glass viewing. Dimensions are 2.4 x 2.4 x 3.4" (60 x 60 x 86mm) Weighs 4.4 oz. (124g). With strap.

**Item # SCL66.....224.00**

### Hasselblad Base Plate Adapter

**Item # SCHAL66 .....95.95**

### Rodenstock 6x6 Aspheric Magnifier (260200)

A high-quality aspheric 3x magnifier. Resolves even the finest details with high contrast over the entire 86mm diagonal image area. 33mm wide eye point for less eye fatigue. Built-in diopter correction from 0 to -2. Bottom skirt is reversible for film, print and glass viewing. 3 x 3 x 3.9" (75 x 75 x 100mm). Weighs 7.1 oz (202g).

**Item # ROL66.....229.95**

### Peterson Viewing Lens System

#### Peterson 6x6 Viewing Lens System

For critical viewing of reflected and transmitted light. 85mm focal length is ideal for viewing 35mm and 120mm images. Specially coated multi-element rare earth cemented achromatic lens. Unique 15mm depth of field allows the viewing lens to be tilted off axis while retaining good focus. This eliminates constant adjusting of the lens for different viewers. Clear or black skirt for viewing prints or slides. 2 1/4" and 35mm rubber masks.

**Item # PEV66.....119.95**



#### Hasselblad Attachment

For viewing directly onto a Hasselblad focusing screen.

**Item # PEHA.....9.50**

#### Slide Viewing Attachment

For viewing 35mm slides with available light.

**Item # PESVA .....9.50**

### SPECIFICATIONS for PETERSEN MAGNIFIER

MAGNIFICATION	EYE PIECE WIDTH	EFFECTIVE VIEWING FIELD	DIMENSIONS	WEIGHT
6x	28mm	53mm	2.4x3.4" (60x87mm)	3oz. (86g)

### Kenko Precision Loupe

#### Kenko Precision Loupe 3x for 6x7 (PR3X)

A 3x magnification loupe. Fully covers 6x7 film frame. Ideal for viewing slide and negative with adjustable focus diopter. The sliding hood on the base, easily converts loupe from opaque (for viewing film) to clear (for viewing prints or for groundglass viewing).

**Item # KELP3X.....159.95**

### SPECIFICATIONS for KENKO PRECISION LOUPE

MAGNIFICATION	3x (Precision)
LENS CONSTRUCTION	4G, 3E
EFFECTIVE VIEW FIELD	89mm
EYE PIECE WIDTH	35mm
DIMENSIONS	4.1 x 4.7" (105 x 120mm)
WEIGHT	16.8 oz (480g)



Rodenstock 6x6 Aspheric Magnifier



Horizon 4x Stand Loupe



Kenco Excelupe 5x



Schneider 6x6 Magnifier



Kenko Precision Loupe 3x for 6x7

# LOUPES

## GROUNDGLASS AND ALL-PURPOSE LOUPES



Toyo  
3.6x  
Groundglass  
Focusing  
Magnifier



Peak  
Suction  
Cup  
Magnifier  
10x



Wista  
Hood  
Loupe  
7x



Wista  
Standard  
Focusing  
Loupe 5x



Jobo  
Loupe  
4x



Schneider  
Focus  
Loupes

### Focus Loupes

**Toyo 3.6x Groundglass Focusing Magnifier** (180-301)  
A powerful 3.6x magnifier with rubber base (to avoid scratching groundglass), rubber eyepiece (for eye glass wearers), coated optics and neck strap. Focal length of 60mm. Constructed of 2E, 2G glass.

**Item # TOL.....39.95**

**Wista Standard Focusing Loupe 5x** (1046)  
A powerful 5x magnifier designed for all-purpose viewing. 3-element optical glass, a built-in focusing diopter, interchangeable bottom skirts for viewing prints and for groundglass or slide viewing. With neck strap.

**Item # WIL5X.....49.95**

**Wista Hood Loupe 7x** (1045)  
The Wista Hood Loupe 7x is a high powered 7x magnifier designed for groundglass viewing. It can be extended almost an inch (24mm) for viewing through cameras with a folding focusing hood. 3-element optical glass and diopter focusing.

**Item # WIL7X.....94.95**

### Schneider Focus Loupes

The Schneider focus loupes provide precise focusing of groundglass images, in studio cameras, laboratory and all-purpose use. The color corrected and multi-coated lenses enable objects to be viewed 6, 8 or 10x.

**Schneider 6x Magnifier** (080-39642)  
With strap.  
**Item # SCL6X .....159.00**

**Schneider 8x Magnifier** (080-39643)  
With strap.  
**Item # SCL8X .....174.00**

**Schneider 10x Magnifier** (080-39203)  
With strap.  
**Item # SCL10X .....244.00**

### SPECIFICATIONS for SCHNEIDER/TOYO/WISTA FOCUSING LOUPES

MAGNIFICATION	EYE PIECE WIDTH	FIELD OF VIEW	DIMENSIONS	WEIGHT
Schneider 6x	15mm	28mm	1.3x1.6" (34x40mm)	1.4oz. (40g)
Schneider 8x	15mm	28mm	1.3x1.4" (33x35mm)	1.2oz. (32g)
Schneider 10x	20mm	36mm	1.6x1.5" (41x38mm)	2.6oz. (72g)
Toyo 3.6x	29mm	29mm	1.5x3.9" (38x100mm)	2.6oz. (74g)
Wista 5x	17mm	24mm	1.4x2.2" (35x55mm)	1.8oz. (50g)
Wista 7x	17mm	32mm	1.6x3.3" (40x85mm)*	4.8oz. (136g)

\*Extends 24mm for hood viewing

### All-Purpose Loupes

**Peak Suction Cup Magnifier 10x** (PK1993)  
A 10x loupe that enables photographer to focus view cameras with two hands, with the loupe held in place on the groundglass by the suction cup. Lens diameter is 30mm, dimensions are 2.4x2" (60x51mm) and weight is 1.2oz (35g).

**Item # PE1993.....29.95**

**Jobo Loupe 4x** (3543)  
Fully covers 35mm film frame. For viewing slide or negative film with adjustable focus. Base easily converts from opaque to clear. 1G, 2E construction. 2.2 x 3" (55 x 76mm). Weighs 3.9 oz. (110g).

**Item # JOL4X.....65.95**

**Horizon Focusing Loupe 10x** (GHZ102)  
2-dimensional 10x magnifier. Features achromatic multicoated glass lens in aluminum construction. Base includes interchangeable opaque and clear lucite glass scale.

**Item # HOL10X .....39.95**

**Horizon Focusing Loupe 8x** (GHZ103)  
Features high power 8x magnification achromatic glass. One inch viewing lens. Aluminum construction. Base made of rectangular lucite for clear and shadowless viewing. Etched millimeter scale.

**Item # HOL8X .....29.95**

Horizon  
Focusing  
Loupe 8x  
(GHZ2103)



Horizon  
Focusing  
Loupe 10x  
(GHZ103)





## ACHROMATIC, LIGHT GATHERING AND EYE-RELIEF LOUPES

### Kenko Excelupe and Long Eye Relief Loupes



**Kenko Excelupe 8x (EC8X)**  
High power 8x magnification. High quality with high eye point. Distortion free. Adjustable focus. Base is built with translucent skirt for viewing prints or slides.  
**Item # KELE8X.....129.95**



**Kenko Long Eye Relief 8x (LEYE)**  
High power 8x magnification. Extra long eye relief (high eye point) allows viewing subject from 11 3/4" (3cm). Ideal for industrial or medical use. Removable clear acrylic base.  
**Item # KELLER.....99.95**

### SPECIFICATIONS for KENKO EXCELUPE AND LONG-EYE RELIEF LOUPES

MAGNIFICATION	8x	8x (Long Eye)
LENS CONSTRUCTION	3G 4E	2G 3E
EFFECTIVE VIEWING FIELD	44mm	42mm
COATING	Multi	Multi
DIMENSIONS	2.2x2.4" (56x62mm)	2.4x2.8" (62x70mm)
WEIGHT	7oz (200g)	8.4oz (240g)

### Kenko Achromatic Loupes

These Kenko loupes incorporate a fully corrected achromatic lens design. Convenient mid-sized adjustable focus. They all have a large field-of-view to cover larger negatives. The bases are clear acrylic.

**Kenko 3x Achromatic Loupe (ACL3X)**  
**Item # KELA3X.....79.95**

**Kenko 5x Achromatic Loupe (ACL5X)**  
**Item # KELA5X.....94.95**

**Kenko 9x Achromatic Loupe (ACL9X)**  
**Item # KELA9X.....68.50**

### SPECIFICATIONS for KENKO ACHROMATIC LOUPES

MAGNIFICATION	3x (Achromatic)	5x (Achromatic)	9x
LENS CONSTRUCTION	2G3E	4G4E	2G 4E
EFFECTIVE VIEW FIELD	59mm	55mm	35mm
COATING	Mono	Mono	Mono
DIMENSIONS	2.8x4.3" (70x110mm)	2.8x3.5" (70x90mm)	1.9x2" (55x78mm)
WEIGHT	7.7oz (220g)	10.5oz (300g)	4.2oz. (120g)

### Peak Loupes

**Peak Loupe 15x (PK1962)**  
A high magnification all-purpose loupe with a coated achromatic 2G, 3E lens.  
**Item # PE1962 .....17.95**



**Peak Loupe 4x (PK2038)**  
High-resolution achromatic lenses with corrected chromatic aberration. 45 x 45mm wide square vision. Smart body design makes it useful as an all-purpose magnifier. Semi-transparent skirt for checking photographic films and black skirt for checking the focus of a large-focus camera. In addition, a multi-groove screw helicoid system, (ordinarily employed for camera lenses) is used for diopter adjustment, ensuring a very smooth operation. Dimensions are 2 x 2.6 x 2" (51 x 65 x 51mm). Weighs just 2.8oz. (80g).  
**Item # PE2038.....59.95**

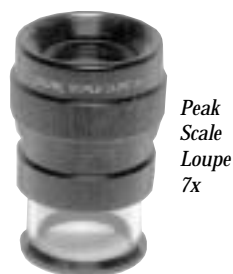


# LOUPES

## ALL PURPOSE, SCALE, AND ANASTIGMATIC LOUPES

LOUPES

296



Peak  
Scale  
Loupe  
7x



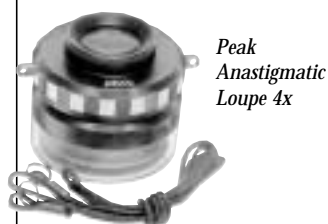
Peak  
Mini  
Comparator  
(Scale)  
Loupe 7x



Peak  
Scale  
Loupe  
10x



Peak  
Scale  
Loupe  
15x



Peak  
Anastigmatic  
Loupe 4x



Peak  
Anastigmatic  
Loupe 7x

### All-Purpose Scale Loupes

#### Peak Scale Loupe 7x (PK1975)

An all-purpose high power 7x loupe. Excellent 2G3E achromatic lenses. With focusing diopter and printed removable scale.

Item # PE1975 ..... **38.95**

#### Peak Mini Comparator (Scale) Loupe 7x (PK2015)

Same as 7x scale loupe, but smaller and lighter.

Item # PE2015 ..... **49.95**

#### Peak Scale Loupe 10x (PK1983)

A high power precision achromatic all-purpose 10x magnifier (2G4E) with focusing diopter and printed removable scale.

Item # PE1983 ..... **59.95**

#### Peak Scale Loupe 15x (PK2016)

A wide field 15x magnifying glass with 3-groups and 4-elements. By observing through the magnifier and printed scale, the user can measure the length angle precisely, etc. This loupe can be used as an independent magnifier by removing the transparent skirt and turning the focusing diopter to the left.

Item # PE2016 ..... **79.95**

### SPECIFICATIONS for SCALE LOUPES

MODEL	1975	2015	1983	2016
MAGNIFICATION	7x	7x	10x	15x
EYE PIECE WIDTH	18mm	13mm	20mm	13mm
FIELD OF VIEW	26mm	25mm	28mm	20mm
DIMENSIONS	1.4x2.4" (36x62mm)	1.1x? (29x46mm)	1.8x1.7" (46x44mm)	1.4x1.3" (35x33mm)
WEIGHT	2oz (56g)	1oz (28g)	2.6oz. (74g)	1.4oz. (40g)

### Peak Professional Anastigmatic Loupes

Designed to allow viewers to simultaneously inspect the entire image area of a film or negative as large as 32x45mm, or flat objects up to 58mm in diameter on the 4x and 41mm on the 7x. Insures critical sharpness from edge to edge and corner to corner, due to the high degree of field and optical aberrations. Ordinary magnifiers are corrected only for the center image. The optical design of these loupes enable viewing from one inch above the eye piece, so that the entire image area may be viewed without moving one's head. Part of the barrel is constructed of clear plastic to allow for illumination of opaque objects. A smooth diopter focusing device allows for correction to the vision of individual users. A detachable glass scale is included to allow for measurement of objects directly on the film plane. Supplied with strap.

#### Peak Anastigmatic Loupe 4x (PK1990)

Item # PE1990 ..... **129.95**

#### Peak Anastigmatic Loupe 7x (PK1990-7)

Item # PE19907 ..... **129.95**

### SPECIFICATIONS for ANASTIGMATIC LOUPES

MODEL	1990	1990-7
MAGNIFICATION	4x	7x
EYE PIECE WIDTH	30mm	22mm
FIELD OF VIEW	58mm	41mm
COATING	Mono	Mono
DIMENSIONS	2.9x3" (73x77mm)	2.2x2 (55x53mm)
WEIGHT	10oz 272g)	3.6oz (103g)

# LOUPES

## MAGNIFIERS

### Stand Loupes

#### Bestwell Maxi Loupe 10x

Features quality optics 8x magnification with a 2" viewing lens, mounted in metal construction. Fully adjustable clear lucite stand.

Item # **BEML2**.....**24.95**



#### Hama Standing Magnifier 4x Round (5484)

Big magnifier with aspherical lens. Bright, distortion-free view with 4x magnification. Clear base for viewing from the top (stamps, negatives or contact prints). Its diameter size is 2 3/4" (70mm), height

2 3/4" (60mm) and weighs 2.9oz. (84g).

Item # **HAM4X**.....**26.50**

#### Eschenbach 3.5x Hand/Stand Pocket Magnifier (GEB050)

Multi-purpose magnifier for home or away. The stand magnifier offers perfect focus with the correct distance. It can be converted into a fixed focus stand magnifier. The aspheric PXM lightweight lens with a diameter of 60mm features a magnification factor of 3.5X and provides perfect focus at the edges. Weighs 2.6oz. (74g).

Item # **ES2050**.....**39.95**

#### Eschenbach Stand Magnifier 6x (GEB626)

6x magnification loupe used wherever work has to be done beneath a high magnification lens, and as a high magnification visual aid. Lens aspherical, PXM lightweight lens with Duplex-Coating. Transparent plastic base for clear and shadowless viewing, with rectangular cut-outs to slide film through.

Item # **ES2626**.....**26.95**

### Magnifiers

#### Peak Loupe 5x (PK1960)

A very practical magnifier with an acrylic tube. Lightweight and bright.

Item # **PE1960**.....**12.95**

#### Peak Loupe 22x (PK1964)

A high grade, powerful 22x magnifier with a coated achromatic 3G4E lens.

Item # **PE1964**.....**26.95**

#### Peak Loupe 30x (PK1996)

A simple 7mm eyepiece microscope type loupe with 4-element, 2-group construction. The image remains erect. Its dimensions are .7 x 1.4" (18 x 35mm) and it weighs just .3oz. (8g).

Item # **PE1996**.....**49.95**



#### Peak Steinheil Loupe 10x (PK198510)

With leather case. A color corrected 3-element composite, 15mm eyepiece width lens. High resolution throughout the wide field of view. The classic high-quality high power (10x) loupe slips into a .9 x 1.4 x .8" (22 x 36 x 20mm) holder and weighs. 7oz. (20g).

Item # **PE1985**.....**69.95**

#### Beseler Loupe 8x

Professionally designed with 8x magnification, this loupe is both lightweight and pocket sized.

Item # **BEL8X**.....**6.95**

### Viewing Filters

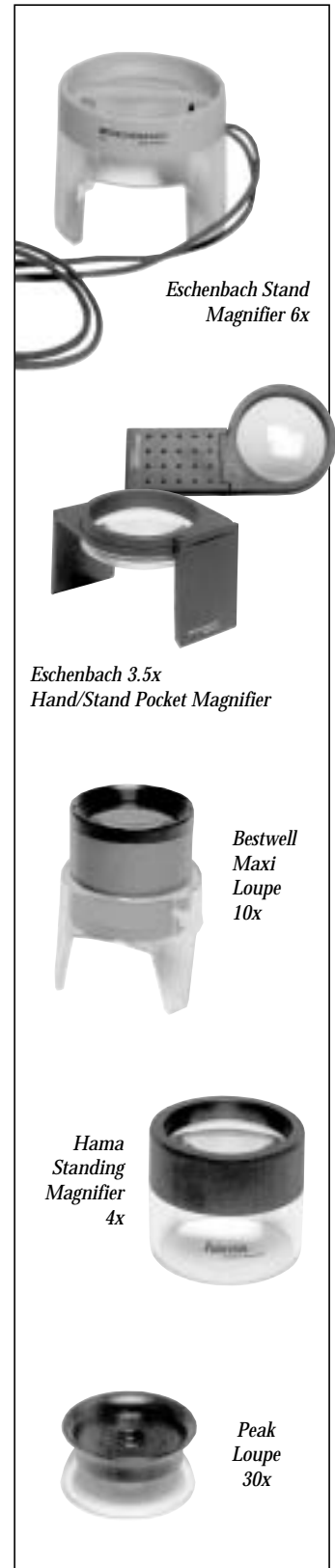
Renders tonal values as they will be reproduced by the film. Preview shadows and highlights. Folds into case. Supplied with eyelet for neck strap.

#### Peak Viewing Filter PV1F for Black & White (1967M)

Item # **PE1967M**.....**49.95**

#### Peak Viewing Filter TC1F for Color (1967C)

Item # **PE1967C**.....**49.95**



# LOUPES

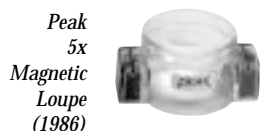
## LIGHT GATHERING AND SPECIALTY LOUPES



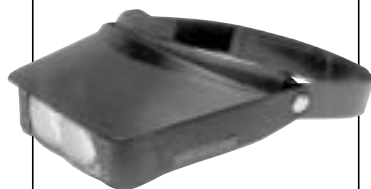
Glasses not included  
*Eschenbach  
2.5x  
Clip-On  
Stereo Magnifier (1642)*



*Iston Retouching Loupe (R10x)*



*Peak  
5x  
Magnetic  
Loupe  
(1986)*



*Peak Head Loupe (2035)*



*Peak Light Loupe 10x*

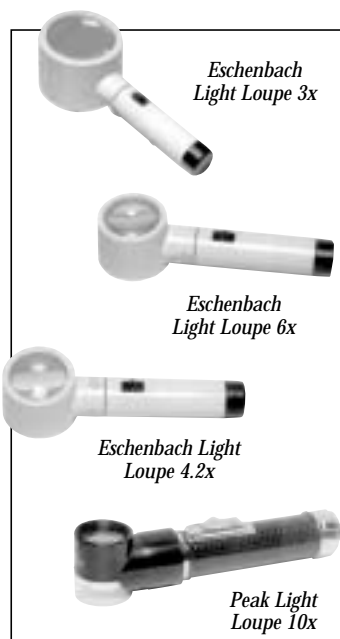
**Eschenbach Light Loupe (Leuchtlupe) 3x** (GEB527)  
For extra illumination. Features an aspherical acrylic 3x magnification biconvex lens covering almost 4". Great for 2¼ slides, larger prints or Polaroid shots. (Requires C batteries.)

**Item # ES1555.....39.95**

**Eschenbach Light Loupe (Leuchtlupe) 6x** (GEB552)  
An extremely lightweight torch magnifier, the Eschenbach Light Loupe 6x features an aspherical acrylic 6x magnification covering a 2" (50mm) field. Great for 35mm contact sheets, prints, Polaroid prints, etc. (Requires C batteries.)

**Item # ES1552.....34.95**

### Illuminated Magnifiers



**Eschenbach Light Loupe (Leuchtlupe) 4.2x** (GEB525)  
Features an aspherical acrylic 4.2x magnification lens covering a 2" field. Great for 35mm, contact sheets, etc. (Requires C batteries.)

**Item # ES1525.....39.95**

**Peak Light Loupe 10x** (PK1966)  
Designed for use when extra illumination is necessary. It offers a high power 10x magnification and wide visual field. The effective viewing field is 42mm. The flashlight is made of metal and the clear lens is shielded by a hard plastic holder. The clear base works with or without the built-in light. Operates with two C batteries.

**Item # PE1966.....26.95**

### SPECIFICATIONS for ILLUMINATED MAGNIFIERS

MODEL NUMBER	EFFECTIVE VIEWING FIELD	BATTERY	DIMENSIONS	WEIGHT (without battery)
GEB552	62mm	2C	2.6x8.5" (67x216mm)	3.9oz. (110g)
GEB525	62mm	2C	2.6x8.5" (67x216mm)	3.7oz. (106g)
GEB527	92mm	2C	3.9x9.8" (99x250mm)	6.4oz. (182g)
PK1966	28mm	2C	1.6x6.9" (41x175mm)	3oz. (84g)

### Specialty Loupes

**Peak Head Loupe** (PK2035)  
The Peak Head Loupe is an extremely lightweight head loupe, with two varying magnifications in one device. Comes with adjustable headband. Magnification: 2.2x and 3.3x. The dimensions are 7.5 x 2.8 x 9.9" (190 x 70 x 250mm). The Head Loupe weighs 3.5oz. (100g).

**Item # PE2035.....39.95**

**Peak 5x Magnetic Loupe** (PK1986)  
The Peak 5x Magnetic Loupe is designed for viewing metal instruments with precision. This 5x magnifier allows hands-free use. Two magnets in the base adhere to all steel. Also handy for use with cameras. Lens diameter is 30mm, dimensions are 1.7 x .8 x 12" (44 x 20 x 30mm) and weight is ½oz. (15g).

**Item # PE1986.....19.95**

**Iston Retouching Loupe** (GST111)  
Features metal construction, three coated optical elements and a swing-out design which prevents the scratching of mounted 35mm slide or medium format film. Allows comfortable viewing from 12" away. A perfect companion for 4x loupe. Folds down to 2.4x1.2x1.3" (60x30x33mm) and weighs 4.2oz. (118g).

**Item # ISL10X.....58.50**

**Eschenbach 2.5x Clip-On Stereo Magnifier** (GEB642)  
Keep your hands free for spotting prints, sorting slides, fixing cameras, etc. Gives a magnifier-to-subject working distance of about 7", and the twin lenses hinge up and out of the way when they are not needed. Features a neat clamp frame that attaches to your own eyeglasses.

**Item # ES1642.....49.95**

## GENERAL ALL-PURPOSE LOUPES & LINEN TESTERS

### Saunders Light-Gathering Magnifiers 4x

The saunders light-gathering loupe is a superbly crafted, solid acrylic magnifier that intensifies the light which passes through it, making the magnified subject clearer and brighter. Innovative optical engineering and precision lens grinding are the power behind its performance. Available in three diameters - 51mm for viewing 35mm images, stamps, coins and other small objects (weighs 2.4oz./68g); 64mm for 35mm and medium format film reading (weighs 4.7oz./134g); 90mm for medium format negatives, 4x5" film and other general applications (weighs 13.1oz./372g). All three sizes have 4x magnification and the same light intensification.

**Saunders Magnabrite  
Light Loupe 51mm (175-412)**  
**Item # SAM4X51 .....12.95**

**Saunders Magnabrite  
Light Loupe 64mm (175-406)**  
**Item # SAM4X64 .....16.95**

**Saunders Magnabrite  
Light Loupe 90mm (175-401)**  
With pouch case.  
**Item # SAM4X90 .....41.95**

### General All-Purpose Loupes

**Peak Loupe 8x (PK2018)**  
Great for 35mm camera use. This 8x magnifier is specially designed to cover the entire 24x36mm area of 35mm film frames. Most ideal for checking negatives. This high-grade magnifier has a 24x37mm angular object lens and a two-element achromatic lens in the eyepiece. The bottom part of the skirt is engraved with a 30mm long 1mm pitch scale. It can be used without obstructing the field of view. The dimensions are 1.8 x 1.9 x 1.5" (4 x 49 x 39mm), and it weighs 1.9 oz. (54g). Supplied neck strap.  
**Item # PE2018.....29.95**

**Peak Puncher and Holder (PK2018PH)**  
A convenient accessory used with 8x loupe (#2018) for viewing mounted slides, by lifting to existing light source. Also used for long roll as a "V" puncher to the film perforation.  
**Item # PEPH2018 .....14.95**

**Peak Loupe 8x with  
Puncher and Holder (PK2018WPH)**  
8x magnifier (2018) and Puncher & Holder (2018PH), as listed above.  
**Item # PE2018PH .....39.95**

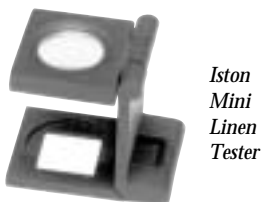
**Agfa Loupe 8x**  
Professional design 8x magnification. Lightweight and pocket size.  
**Item # AGL8X .....5.95**

**Eschenbach  
All-Purpose Loupe 8x (GEB153)**  
Affordable 8x applanatic loupe with field diameter of about an inch, mounted in a transparent skirt.  
**Item # ES1153.....14.95**

**Peak Loupe 10x (PK1961)**  
A moderately priced, all-purpose magnifier with a wide visual field. The effective viewing field is 42mm. The Peak Loupe 10x is also available as a light loupe (#1966), or as a suction cup loupe (#1993). Dimensions are 1.7 x 1.6" (44 x 40mm). Weighs .7 oz. (18g)  
**Item # PE1961.....19.95**

### Linen Testers

**Iston Mini Linen Tester (GST125)**  
The Iston Mini Linen Tester is a small, compact 10x linen tester. Black color, metal construction. It is ideal for small coins, etc. It folds down to 35 x 22 x 10mm and weighs 1/2oz. (18g).  
**Item # ISLT10X.....17.95**



*Iston  
Mini  
Linen  
Tester*

**Peak Linen Tester 6x (PK1006SA3)**  
The Peak Linen Tester is a black colored 6x powered folding aluminum loupe with one optical lens element. The base size is 1" (25mm). It weighs 1.5 oz. (43g).  
**Item # PE1006SA3.....19.95**



*Peak  
Linen  
Tester  
6x*

**Horizon 4x Linen Tester (GHZ101)**  
The Horizon 4x power folding aluminum loupe, has an effective viewing field of 1.2x1.2" (31x31mm) with an eyepiece width of 25mm. Folded size is 1.8x2.2x.6" (45x57x15mm), weight 1.3oz. (38g).  
**Item # HOL4XFF .....19.95**

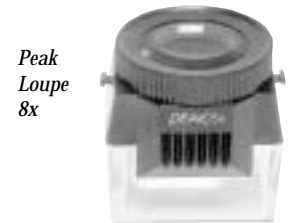
**Eschenbach 5x  
Jumbo Linen Tester (GEB270)**  
Traditional linen tester that folds down flat to 2x1/2" (50x15mm) and weighs just .7oz. (20g) for easy carrying. Provides 1 1/4" field with scale marks on two edges.  
**Item # ES1270.....19.50**



*Saunders  
Magnabrite  
Light Loupe  
64mm*



*Agfa  
Loupe  
8x*



*Peak  
Loupe  
8x*



*Eschenbach  
All-Purpose  
Loupe 8x*



*Peak  
Loupe  
10x*



*Horizon  
4x Linen  
Tester*





# The Professional Photo SourceBook

## Section 7

### Lightmeters

Introduction .....	302
Gossen .....	303-307
Minolta .....	308-310
Pentax .....	311-312
Quantum-Calculite .....	312-313
Polaris .....	314
Soligor .....	314
Sekonic .....	315-319
Shepherd .....	320
Novatron .....	321
Portaflash .....	321
Wein .....	321
Visatec .....	319

# LIGHT METERS

## INTRODUCTION

### Lightmeters

The majority of cameras have built-in exposure meters, and yet many people who have such cameras feel the need for separate exposure meters.

Built-in exposure meters are almost exclusively limited to reading the light reflected. In some instances the resulting photograph may be satisfactory. But very frequently this "Average" light measurement is inappropriate. Unlike the handheld meter, built-in meters often fail to compensate for scenes with high or low contrasts. Proper exposure control is the key to accurate and creative photography. Suppose pictures are being taken at a sunny beach or in bright snow - both intense light situations. The built-in reflected meter will tend to be overly effected by the light reflected from the sand or snow, resulting in an overexposed photograph. In such a case, a hand-held incident light exposure meter can be relied upon to give you the correct reading for beautiful pictures. The incident meter which measures the light falling on the subject, is suitable for photography work in studios, such as shooting models and commercial products, as well as for copy-work where precise illumination balance and color reproduction are necessary. The reflected light types which measure the light reflected from all parts of a scene to the camera are more suitable where the subject is rather far away and unapproachable.

For a long time, handheld exposure meters were simple instruments that did simple chores, namely measure ambient light. Newer meters added a new dimension to light measuring capability - reading short pulses of light from electronic flash units. But the mechanism of the meter is still mechanical: An electrically charged coiled-galvanometer movement responds to light reaching a photocell, and this reading, in arbitrary light value units or EVs (Exposure Value), is transferred to a calculator dial to arrive at a combination of aperture and shutter speed. With flash-reading devices, the shutter speed is a fixed value, namely 1/60th second for X-sync. Other meters may have the galvanometer movement and calculator dial in one function.

### Microchip

The incorporation of microchip control into meter design effectively overcomes the meter's mechanical limitations to an appreciable degree, and, at the same time, broadens its capabilities. A microchip is nothing more than a miniaturized integrated-circuit board. It is up to the user to redefine those parameters in daily use. The photographer merely enters data that corresponds to the mode of operation or specific light-measurement needed.

Microminiaturization permits cosmetic as well as functional changes. It has made the meter sleek in design, smaller in size and lighter in weight. A typical microprocessor based meter features an LCD (liquid-crystal-display) panel situated below the rotating head, and buttons. There are slider controls that let you enter the operating mode/measurement function and buttons for selecting film speed, shutter speed, EV scale, and possibly more. The digital readout displays one set of data at any given time. With a calculator dial, on the other hand, you simply have to visually line up any combination you want, back and forth, from combination to combination, to your heart's content.

There is an advantage to digital. Having gotten the hang of it, the easier to read display allows for faster decisions. The numbers are more legible. And most important, the readings obtained are fast and direct — there is no need to transfer data from a needle reading to a calculator dial. And for those who require exposure readings made to the nearest 1/10 stop, the digital display provides that information.

### Spot Metering

Selective-area reflected light measurement with a spot meter is an approach favored by many photographers. Used with a neutral gray card, the spot meter simulates an incident lightmeter. With microprocessor technology, spot meters are available with electronic flash, as well as with ambient light.

# LIGHT METERS

G O S S E N

**Scout 3  
Ambient Lightmeter (4002)**  
A compact and lightweight meter that is simple to use. The selenium metering cell operates without a battery. Large dial with easy-to-read scales and match needle system.  
**Item # GOS3.....44.95**



**Pilot 2  
Ambient Lightmeter (4005)**  
The most compact meter made for accurate reflected and incident light measurement. An optional accessory enables you to mount the Pilot 2 on the hot shoe of your camera. It weighs under 1½ oz., yet it has everything needed for movie or still photography. Quick and convenient operation with its large computer dial and large, clear scales. The equivalent European model number is Sixtino-2.  
**Item # GOP2.....79.95**



Gossen Pilot 2  
Ambient Lightmeter (4005)

## SPECIFICATIONS OF SCOUT 3 AND PILOT 2 METERS

MODEL	SCOUT 3	PILOT 2
MEASURING SYSTEM	Ambient (Reflective)	Ambient
DISPLAY READOUT	Indicator Needle	Indicator Needle
FILM SPEED I.S.O.	6 to 6,400	6 to 3,200
F-STOP	F1 to F32	F1.4 to F22
SHUTTER SPEED	1/2000 sec. to 8 sec.	1/1000 sec. to 4 min.
ANGLE OF COVERAGE	50°	52° Reflective 180° Incident
SENSITIVITY AT I.S.O. 100	EV+6 to EV+16	EV+5 to EV+17
SENSITIVITY FOOTCANDLES	-	FC.32 to F.C.32,000
POWER SOURCE	No Battery	No Battery
DIMENSIONS	2½ x 3½ x 1½"	1.75 x 2.5 x 1½"
WEIGHT	1.75 oz. (50g)	1.5 oz. (43g)

Subject to change without notice

## Gossen Luna Pro

**Luna Pro Digital (4022)**  
The Gossen Luna-Pro Digital is a thin, lightweight meter that's easy to operate. The front panel features control buttons that are recognizable at a glance on a display with easy-to-read numerals. The narrow measuring angle allows you to meter important details of the subject with the greatest accuracy. The contrast range is precisely analyzed and clearly displayed. To conserve batteries, the Luna-Pro Digital has an automatic power off, yet settings and measurements are stored in memory and can be recalled, even after the unit has been shut down.  
**Item # GOLPD.....166.95**

**Luna Pro S (4020)**  
The Luna-Pro S is the choice of professional photographers. Experience-proven, it provides accurate reflected or incident light readings in all kinds of light, from a flickering candle to a bright summer's sun. As a system meter, it will provide correct exposures in any situation. More than just a superb hand-held meter, the Luna-Pro S has a wide range of optional accessories to further increase versatility.

The Luna-Pro S can be adapted to calculate the correct exposure for photomicrography with the Microscope accessory. It can be turned into a dual angle "spot meter" with the Variable Angle accessory. It can also be used to take through-the-lens readings from a large format camera's groundglass with the optional Flexible Fiber Optics Probe accessory, or you can use it for copy work with the optional Copy accessory. And it comes in handy in the darkroom, as well; the enlarging accessory helps to find the right paper grade for black and white prints. European equivalent model # LUNASIX 3.5

**Item # GOLPS.....199.95**



Gossen Luna Pro  
Digital (4022)

Gossen Luna  
Pro S (4020)

# LIGHT METERS

G O S S E N

METERS

304

## Gossen Luna Pro, *continued*

### Luna Pro F (4030)

A unique meter for measuring both continuous light and flash. A silicon blue sensor for instantaneous reading of high and low light levels. Incorporating a null meter readout, the Luna-Pro F is ideally suited for determining scene brightness range and lighting ratios, which can be read directly from the meter at any light level.

The Luna-Pro F delivers both incident and reflected light measurements without scale switching or accessories, and enables cordless readings of single or multiple flash. Other capabilities include direct measurement of zone system values; an electronic sample and hold circuit, which stores light measurement for reading in remote areas; readout of all applicable aperture/shutter speed combinations; programmable exposure-factor corrections for working with bellows, filters, etc. and automatic shutoff to extend battery life.

A full system of interchangeable accessories expand the measuring capabilities of this fine instrument into all areas of photography, exceeding even the most demanding requirements of professionals working on location, studio, dark-room and laboratory assignments. European Equivalent model # LUNASIX F.

Item # GOLPF .....289.95

### Luna Pro SBC (4025)

Reads accurately down to -4 EV for extreme low light capability. It also provides  $\pm 3$  f-stop scale for direct read-out of brightness range, Zone System values and lighting ratios.

Dial settings are adjustable so that exposure factor corrections for bellows, filters, etc., can be automatically compensated for. An indicator reminds you when this feature is being used.

It accepts all existing optional Gossen Luna Pro accessories. Two of these, the Luna-Color and Profi-Select TTL, have specifically designated functions on the Luna-Pro SBC for optimum ease of use. With the addition of the Luna-Color, the Luna Pro SBC becomes a color temperature meter. The readout is in degrees Kelvin and indicates which correction filters are needed for color balance for the type of film being used.

With the optional Profi-Select TTL, Ambient light and flash measurements can be taken at the film plane of a view camera, automatically taking bellows factors and filters into account. An optional 4 x 5" cassette helps position the probe accurately. The equivalent European model number is Profi-Six.

Item # GOLPSBC .....251.95



Gossen Luna Pro F (4030)



Gossen Luna Pro SBC (4025)

## SPECIFICATIONS FOR LUNA PRO MODELS

MODEL	LUNA PRO DIGITAL	LUNA PRO S	LUNA PRO F	LUNA PRO SBC
PHOTO CELL	S.B.C.	C.D.S.	S.B.C.	S.B.C.
DISPLAY READOUT	Digital L.C.D. plus Analog L.C.D.	Indicator Needle	Indicator Needle	Indicator Needle
MEASURING SYSTEM	Ambient	Ambient	Ambient and Flash	Ambient plus optional attachment for color temperature metering
FILM SPEED I.S.O.	3 to 8,000	0.8 to 25,000	0.8 to 25,000	0.8 to 25,000
F-STOP	F1 to F90	F1 to F90	F0.7 to F128	F0.7 to F128
SHUTTER SPEED	1/8000 sec. to 60 min.	1/4000 sec. to 8 hrs.	1/4000 to 8 hrs.	1/4000 sec. to 8 hrs.
CINE	-	-	4.5 to 144 F.P.S.	4.5 to 144 F.P.S.
ANGLE OF COVERAGE	25°	30°	30°	30°
REFLECTED LIGHT				
SENSITIVITY at 100 I.S.O.	EV-25 to +18	EV-4 to +17	EV-1 to +17	EV-4 to +17
SENSITIVITY AT FOOTCANDLES	-	.016 to 32,000 F.C.	.125 to 32,000 F.C.	.016 to 32,000 F.C.
LUX RANGE	-	-	28.8 to 7360 LUX	-
POWER SOURCE	1.5v AA Battery	Two 1.35v 625a Batteries	9v Battery	9v Battery
DIMENSIONS	2.5 x 4.5 x .75"	2 5/8 x 1.25 x 4"	4.75 x 1.75 x 2.75"	4.75 x 1.75 x 2.75"
WEIGHT	3.35 oz. (95g)	7 oz. (198g)	8.5 oz. (240g)	8.25 oz. (233g)

*Subject to change without notice*

**14-Day Customer Satisfaction Guarantee**

# LIGHT METERS

G O S S E N

## Gossen Professional Meters

### Luna Star F2 (4032)

The microprocessor-controlled Luna-Star F2 automatically measures and analyzes both flash and continuous light in a single metering operation and displays the reading clearly, in large, easy-to-read numerals.

It also measures both incident and reflected light for particularly accurate exposures, especially with subjects that are either very bright or very dark.

It features a rotating head which points the light sensor in any direction. A series of flash synchronizing speeds from 1 sec. to 1/1000 sec. allow you to control the exposure of flash shots that utilize several different sources of light. The equivalent European model number is Vario-Six F.

Item # **GOLSF2**.....**312.95**

Gossen  
Luna Star  
(4032)



### SPECIFICATIONS FOR LUNA STAR F2

MEASURING SYSTEM	Ambient and Flash
FILM SPEED I.S.O.	3 to 8,000 I.S.O.
DISPLAY READOUT	Digital L.C.D. plus Analog L.C.D.
F-STOP	F1 to F90.9
SHUTTER SPEED	1/8000 to 60 min.
CINE SPEED	8 to 64 F.P.S.
FLASH SYNC.	1 to 1/1000 sec.
ANGLE OF COVERAGE	30° Reflected
SENSITIVITY AT I.S.O. 100	EV-2.5 to EV18
POWER SOURCE	9v Battery
DIMENSIONS	5 x 2 1/2 x 1"
WEIGHT	4.4 oz. (125g)

*Subject to change without notice*

### Luna Pro Digital F (4023)

Begin with the compact size, ease of operation and sensitivity of the Luna-Pro Digital exposure meter, add the ability to measure flash, and you have the Luna-Pro Digital F. Even with the addition of flash capability, this meter remains so thin and lightweight, that it slips easily into a shirt pocket or its new ever-ready case.

Control buttons on the front panel, plus a big, easy-to-read digital display, make it a joy to use. The oversize LCD panel provides direct readout of all critical information, including precise analysis of the contrast range. A built-in optical diffusion dome slides easily to switch between incident and reflected light measurement. In flash mode, it calculates multiple flash exposures and integrates light at sync speeds from 1 sec. to 1/1000th sec.

The Luna-Pro Digital F has a sensitivity range that is wide enough to give accurate measurements from bright sunlight to deep shadows, and features cord or cordless flash operation and auto power off with memory.

Item # **GOLPDF**.....**T.B.A.**

### Ultra Pro (4040)

The Ultra Pro reads flash as well as continuous light. It has a full range of photographic and photometric LCD readouts. Direct readouts of brightness range, contrast lighting and flash-to-daylight ratios. This simple, microprocessor-controlled meter, offers one-handed operation. Reads in tenths of a stop and has a built-in 5-stop flash range extender with automatic correction for high-intensity lighting. Also features a built-in timer, silicon-blue photo sensor and a full range of accessories that automatically adjust. The equivalent European model number is Master-Six.

Item # **GOUP**.....**659.95**

### SPECIFICATIONS FOR LUNA PRO DIGITAL F/ULTRA PRO

MODEL	LUNA PRO DIGITAL F	ULTRA PRO
PHOTO CELL	S.B.C.	S.B.C.
DISPLAY READOUT	Digital L.C.D.	Digital L.E.D.
MEASURING SYSTEM	Ambient/Flash	Ambient/Flash
FILM SPEED I.S.O.	3 to 8000	1 to 800,000
F-STOP	f/1 to f/90	f/0.7 to f/90.9
SHUTTER SPEED	1/800 sec. to 1 hr.	1/4000 sec. to 8 hrs.
FLASH SYNC	1/100 to 1 sec.	1/1000 to 1 sec.
CINE SCALE	8 to 64 f.p.s.	-
ANGLE OF COVERAGE	30°	30°
REFLECTED LIGHT		
SENSITIVITY AT 100 I.S.O.	EV-2.5 to +18	EV-4 to EV+18
SENSITIVITY AT FOOTCANDLES	-	.016 to 32,000 F.C.
LUX RANGE	-	0.75 to 350,000 Lux
POWER SOURCE	AA Battery	9v
DIMENSIONS	2 1/2 x 4 1/2 x 3/4"	5.5 x 2.75 x 1 3/4"
WEIGHT	3.75 oz. (106g)	8.2 oz. (232g)

*Subject to change without notice*



Gossen Pro Digital F (4123)



Gossen Ultra-Pro (4040)

METERS

305



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



# LIGHT METERS

G O S S E N

METERS

306

## Ultra Spot 2 (4050)

The Ultra Spot 2 provides all the information you need at a single glance. When looking through its viewfinder you can see the subject, a 1° measuring circle and a complete display of exposure information.

The combination of electronic accuracy and a high-quality optical lens means the Ultra-Spot 2 provides a vivid 15° view with a 1° circle in the middle to indicate the meter's measuring angle. The exposure information is displayed around the viewing field and includes: ambient light readings, f-stop, shutter speed, exposure value, zone or cine. In addition, you can average up to ten discrete readings.

The Gossen Ultra Spot 2 is truly an all purpose spotmeter, equally adaptable to color or black & white film. Engineered for both ambient and flash lighting, it is also a natural for zone system photography. Comfortable design with a wealth of technically advanced features and fingertip operating ease, the Ultra Spot is the precise way to take all of your spot readings. The equivalent European model number is Spot-Master.

Item # GOUS2 .....614.95



## Color Pro 3F (4063)

The micro-processor Color Pro 3F is designed for color temperature light balancing in Kodak conversion and mired, CC filter values, lux and lux seconds. This color temperature meter analyzes the prevailing lighting situation with flash and continuous light, at the push of a single button. The color temperature is measured and the corresponding filters in Light Balancing and CC values are displayed. The Color Pro displays luminous intensity of flash and continuous light in lux and lux seconds readings. Adjusted functions are permanently indicated on the display. It also features an integrated triple sensor and a flash sync triggering button. The equivalent European model number is Color Master 3F.

Item # GOCP3F .....824.95



## Panalux Electronic 2 Footcandle Meter (4055)

Provides critical readings for the most extreme intensities, from blazing light to almost total darkness. With 9 measuring ranges, the Panalux can measure from .05 to 20,000fc. Indispensable for applications as diverse as cinematography, highway lighting, work-area illumination and greenhouses, this ultra sophisticated instrument is balanced to read daylight and any commonly used artificial light, except pulsed light. "Cosine factor" problems common to footcandle meters have been eliminated by the unique design of the probe. Controls include a nine-range selector and battery test switch. An accessory luminance attachment can be purchased separately.

Item # GOPL .....499.95

## SPECIFICATIONS FOR ULTRA SPOT 2

PHOTO CELL	S.B.C.
MEASURING SYSTEM	Spot Ambient/and Spot Flashmeter
DISPLAY READOUT	Green L.C.D. in Viewfinder
FILM SPEED I.S.O.	1 to 80,000
F-STOP	F1 to F90.9
SHUTTER SPEED	1/8000 sec. to 60 min.
FLASH SYNC	1/8 to 1/1000 sec.
ANGLE OF COVERAGE	1° with a 15° Field of View
SENSITIVITY AT 100 I.S.O.	EV1 to EV22
OTHER DATA	0 to X adapted to film development zone system 15 second duration of exposure reading 43mm Ø filter diameter
POWER SOURCE	9v Battery
DIMENSIONS	3.5 x 2.4 x 7.5" L.W.H. (90 x 57 x 190mm)
WEIGHT	14 oz. (400g)

Subject to change without notice

## SPECIFICATIONS FOR COLOR PRO 3F

PHOTO CELL	Triple Silicon Photodiode
MEASURING SYSTEM	Color Meter for Ambient or Flash
DISPLAY READOUT	Digital L.C.D.
COLOR TEMPERATURE	2,000 to 40,000k
LB FILTER VALUE	-399 to +475 mired, or change over to corresponding Kodak color compensating and color conversion filter values
FLASH INTENSITY	5 to 1,500lx
FLASH SYNC	1/500 sec. to 1/2 sec.
POWER SOURCE	9v Battery
DIMENSIONS	5 x 2 5/8 x 1"
WEIGHT	4.5 oz. (127g)

Subject to change without notice

## SPECIFICATIONS FOR FOOTCANDLE METER

FOOTCANDLES	0/2/6/20/60/200/600/2,000/6,000/20,000
PROBE CABLE	5 Feet
DISPLAY READOUT	Indicator Needle
POWER SOURCE	9v Battery
DIMENSIONS	4.4 x 3.2 x 1.4"
PROBE DIMENSIONS	4.2 x 0.8"
WEIGHT	12.3 oz. (348g)

Subject to change without notice

# LIGHT METERS

G O S S E N

## Gossen Accessories

### ACCESSORIES FOR THE ULTRA-PRO, MULTI-PRO, LUNA PRO-F, LUNA-PRO sbc, AND LUNA-PRO S

#### Variable Angle Attachment (4106)

For reflected light readings, the measuring angle of Gossen meters corresponds to a light acceptance angle of 30°. When using the Variable Angle Attachment, this angle can be reduced to either 15° or 7.5°. The small measuring area permits accurate measurements for exposures with telephoto lenses and selective readings of various parts of the scene or subject when normal lenses are used. When using the Variable Angle Attachment, the 7.5° and 15° areas being measured are visible through a marked reflex viewer with bright aerial imaging.

**Item # GOVAA.....69.95**

#### Enlarging Attachment (4100)

The Enlarging Attachment will help eliminate guesswork in darkroom printing. It determines contrast range and correct exposure time by measuring the projected image on your enlarger easel. After calibrations for paper speed, direct readings of aperture and exposure time are possible, resulting in savings of time and material.

**Item # GOEA.....58.95**

#### Microscope Attachment (4102)

The Microscope Attachment utilizes the meter's measuring sensitivity for convenience and reliable exposure measurement when taking photomicrographs. The Microscope Attachment fits the ocular tube of most microscopes for exact exposures determination and it is quite useful in measuring light intensity for fluorescent microscopy.

**Item # GOMSAQ.....29.95**

#### Fiber Optics Probe Attachment (4104)

With this attachment on the meter, measurements can be made in many areas which are usually inaccessible with an exposure meter. It is especially suitable for microphotography, groundglass measurements and for density measurements of negatives or transparencies.

**Item # GOFOP.....209.95**

#### Repro Attachment (4108)

Allows the meter to obtain exposure value of flat copy, such as paintings, documents and photographic prints. The illumination on the copy board can be measured for evenness across various points of the material to be copied. This attachment can also be reversed for measurements of light transmitted through slides or other translucent material being copied.

**Item # GORCA.....52.95**

### Miscellaneous Accessories

#### Luminance Attachment for Panalux 2 (4141)

**Item # GOLA.....142.50**

#### Camera Adapter Clip for Pilot 2 (4099)

**Item # GOCAC.....6.95**

#### Calculator for Panalux 2 (4140)

**Item # GOC.....46.95**

#### Adapter Kit and Batteries for Luna-Pro and Luna-Pro S (4145)

To convert meters with mercury batteries to silver oxide  
**Item # GOBHP.....17.95**

#### Microscope Attachment (4102)

#### Enlarging Attachment (4100)

#### Fiber Optics Probe Attachment (4104)

#### Repro Attachment (4108)

#### Variable Angle Attachment (4106)



### ACCESSORIES FOR THE ULTRA PRO AND LUNA-PRO sbc

#### Lune-Probe (4126)

The Lune-Probe extends the measuring application into hard-to-reach places. It is ideal for macrophotography, view camera groundglass measurements and even density measurements of negatives and transparencies using the meter's density function.

**Item # GOLPA.....272.95**

#### Multibeam (4122)

The Multibeam is a reflex-viewing spotmeter attachment with 1°, 5° and 10° angles of acceptance. The single-lens reflex design permits measuring and viewing through the same lens - eliminating parallax problems. A built-in diopter correction allows adaptation of the unit to the individual's eyes.

**Item # GOMSA.....359.95**

### ACCESSORIES FOR THE LUNA-STAR F AND LUNA-STAR F2

#### 5° Spot Attachment (4112)

**Item # GOSALSF.....84.95**

#### Case for Luna-Star F and F2 with 5° Spot Attachment (4113)

**Item # GOCLSF.....29.95**

#### +5 f-Stop Range Extender for Luna-Star F (4114)

**Item # GORELSF.....9.95**

### QUICK-GLANCE ACCESSORY COMPATIBILITY CHART

	ULTRA PRO	LUNA PRO SBC	LUNA PRO F	LUNA PRO S	MULTI PRO
Variable Angle Attachment	✓	✓	✓	✓	✓
Enlarging Attachment	✓	✓	✓	✓	✓
Repro/Copy Attachment	✓	✓	✓	✓	✓
Microscope Attachment	✓	✓	✓	✓	✓
Fiber Optics Probe	✓	✓	✓	✓	✓
Luna-Probe	✓	✓			
Multibeam	✓	✓			

# LIGHT METERS

## MINOLTA

METERS

308

### Auto Meter III (804-4307)

The Minolta Auto Meter III combines a microcomputer, memory function, and a large LCD data panel to provide the accuracy of digital readout and the graphic indication of an analog meter. Plus, it gives continuous readings of f-stop and shutter speed combinations, as long as the measuring button is held down. In a single display, the user gets both digital and analog indications on the LCD data panel.

Minolta's Dot Array Display is convenient for visually checking the relative changes in the amount of light, while the digital readout offers the most accuracy. The microcomputer provides a memory for two measurements, either of which can be recalled at the touch of a button, one at a time, for comparison with a third, final measurement. Simultaneously, the Dot Array Display shows all three measurements in terms of the required f-number so that the lighting contrast on all three measured spots can be quickly compared. A wide variety of optional accessories are available, making the Minolta Auto Meter III an ideal choice.

**Item # MIAM3 .....189.95**



Minolta Auto Meter III (804-4307)

### Auto Meter IV F (805-4103)

A compact and lightweight digital exposure meter for measuring ambient light and flash, with or without a sync cord. It is designed to provide unparalleled repeatability and accuracy. In all measuring modes, with reflected or incident readings, it is a meter to be relied upon completely, leaving the photographer free to concentrate on the creative challenges at hand. Its memory stores two separate readings and displays them simultaneously, making it easy to determine subject contrast range or lighting ratio. This is useful when basing exposure on highlight and shadow reading. For cinematographers, the Auto Meter IV F has eight framing rate settings. Plus, the extended ISO range can be used to factor in filtration correction. A wide range of optional accessories is available for use with the Auto Meter IV F to further expand its applications and versatility.

**Item # MIAM4F.....274.95**

### Flashmeter V (805-6103)

The Minolta Flashmeter V's intelligent AUTO mode measures ambient, flash, or mixed ambient and flash light. In addition, it provides exposure analysis for flash measurements, showing the ratio of flash light to overall exposure. Other easy-to-use functions include: Brightness difference function for adjusting lighting balance; memory with analog scale for previsualizing results by measuring multiple points; calculation functions for averaging stored measurements or biasing exposure readings for shadows or highlights; instant-film ISO button for taking measurements for test exposures without resetting the ISO. Plus an easy-to-read data panel, positive-action up/down dial and a sliding cover that hides less often-used buttons.

**Item # MIFM5 .....549.95**



Minolta  
Auto  
Meter IV F  
(805-4103)



Minolta  
Flash  
Meter V  
(805-6103)



### SPECIFICATIONS FOR AUTO METER III, IV F, and FLASH METER V

MODEL	AUTOMETER III	AUTOMETER IVF	FLASHMETER V
PHOTO CELL	Silicon Photo Cell	Silicon Photo Cell	Silicon Photo Cell
MEASURING SYSTEM	Ambient	Ambient and Flash	Ambient and Flash
DISPLAY READOUT	Digital L.C.D. plus L.C.D. Analog	Digital L.C.D. plus L.C.D. Analog	Digital L.C.D. plus L.C.D. Analog
FILM SPEED I.S.O.	12 to 6,400	3 to 8,000	3 to 8,000
F-STOP	F0.7 to F64	F1 to F90	F0.7 to F90
SHUTTER SPEED - AMBIENT	1/2000 sec. to 30 min.	1/8000 to 30 min.	1/16000 sec. to 30 min.
SHUTTER SPEED - FLASH	-	1/500 to 1 sec.	1/10000 sec. to 30 min.
CINE SPEED	1/50 sec. with Conversion Table	8 to 128 F.P.S.	8 to 128 F.P.S.
FLASH SYNC TIMES	-	1/500 to 1 sec.	1/1000 sec. to 30 min.
ANGLE OF COVERAGE	40°	40°	40°
SENSITIVITY AT 100 I.S.O.	EV-2.4 to EV22.5	EV-2 to EV24.4	EV-2 to EV22.5
POWER SOURCE	6v (4SR44)	One AA	One AA
DIMENSIONS	1.2 x 2.7 x 5.2" (31 x 69 x 132mm)	2.3 x 1 x 5.8" (59 x 26 x 147mm)	2.7 x 6.2 x 1.1" (69 x 158 x 28mm)
WEIGHT	5.3 oz. (150g)	4.4 oz. (125g)	5.8 oz. (165g)

Subject to change without notice

**Overnight Shipping Available**

# LIGHT METERS

MINOLTA

## Minolta Accessories for the Auto Meter III, Autometer IV, and Flashmeter V

**Spherical Diffuser** (1509-0584)  
For incident reading replacement  
**Item # MISD.....22.95**

**Reflected Light Attachment**  
40° (8038-515)  
The Reflected Light Attachment has a 40° angle of acceptance which corresponds to the angle of view seen with 50mm lens on a 35mm SLR camera.  
**Item # MIRLA40.....17.95**

**Flat Diffuser** (8034-200)  
Used to measure the lighting ratio between main and auxiliary light sources, to determine illuminance values and to take exposure readings for flat surfaces such as paintings.  
**Item # MIFD .....17.95**



**Spot Mask** (8034-300)  
The Spot Mask is an enlarger attachment so that the meter can double up as an enlarging meter. First determine the aperture setting and exposure time for a standard negative, then measure the illumination using the spot mask. With subsequent negatives, the need for a test print can be eliminated by measuring an area on the negative of similar density to the metered area on the standard negative.  
**Item # MISME.....22.95**

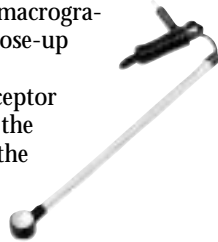
**Booster II Set** (8045)  
Consists of a Booster II, spot-probe, microscope, 35mm film-plane and SLR eyepiece attachments. The Booster II is a high-sensitivity receptor that takes measurements off the focusing screen of a large-format view camera when the spot-probe receptor is attached to it. Useful for close-ups and macrophotographs. Direct readings through the microscope's optics are possible. Flash exposures can be calculated with the Flashmeter. Highly accurate measurements of flash or ambient light at the camera's film plane are possible with the 35mm film-plane attachment. This method is more accurate than measurements taken through the SLR eyepiece, because the Booster II measures the light that actually passes through the camera lens and strikes the film. The SLR eyepiece attachment enables taking centered, circular TTL exposure readings through the camera's lens. This function is important if you own an SLR camera that does not have a built-in meter. Also useful for taking TTL flash measurements. Requires one 6v, four LR44 or equivalent battery.  
**Item # MIB2S.....234.95**



**4X Spherical ND Diffuser** (8034-600)  
A 4X Spherical ND Diffuser is used when the light level is too bright to be measured by the standard diffuser. The measurement range is extended by two f-stops.  
**Item # MISNDD4 .....22.95**

**8X Spherical ND Diffuser** (8034-650)  
For the Flashmeter V only. It is the same as the 4X Spherical ND Diffuser, with the measurement range extended by 3 f-stops.  
**Item # MISNDD8 .....22.95**

**Mini Receptor** (8034-500)  
For photomacrography and close-up work, this remote receptor plugs into the socket on the meter's receptor head. The Mini Receptor can be used to measure incident light in places that are otherwise inaccessible to the meter's receptor head.  
**Item # MIMR .....124.95**



**ViewFinder 5°** (8034-156)  
With case. The ViewFinder 5° features a 5° angle of acceptance and enables spot metering of subjects from a distance. Displayed exposure value must be adjusted when used with Autometer III.  
**Item # MIVF5.....89.95**

**ViewFinder 10° II with Case** (8034-116)  
Same as above, featuring a 10° angle of acceptance.  
**Item # MIVF10.....86.95**

**Sync Cord III** (8034-910)  
For use with the Flashmeter and Auto Meter IVF, the Sync Cord III is a 5-meter long cord that connects to the meter, flash unit, and camera's sync terminal simultaneously, making meter-flash and camera-flash synchronization possible without changing connections.  
**Item # MISC3.....29.95**

### Miscellaneous Accessories

**Meter Kit Case II** (8048-650)  
The sturdy Meter Kit Case II holds a Minolta meter and has space for a wide variety of accessories for easier portability. With the meter and accessories together, nothing is forgotten when going to a shoot. Please Note: The Sync Cord III will not fit in this case.  
**Item # MIMKC2 .....111.95**

**Strap for Flashmeter IV/V, Auto Meter III and IVF** (8044-1051)  
Replacement.  
**Item # MISNAM3 .....5.95**

**Case for Flashmeter IV and V** (8048-600)  
Replacement.  
**Item # MICFM4.....38.95**

**Case for Auto Meter III** (8044-600)  
Replacement.  
**Item # MICAM3 .....28.50**

**Case for Auto Meter IVF** (8054-600)  
Replacement.  
**Item # MICAM4F .....28.50**

**Infrared Receiver/Trigger** (805-0107)  
**Item # MIRTIR.....199.95**

**Data Receiver DR-1000** (805-0207)  
**Item # MIDR1000.....249.95**

# LIGHT METERS

## MINOLTA

METERS

310

### Spot Meter F (8053-107)

The Spot Meter F lets you take 1° spot measurements of ambient or flash light. Liquid-crystal displays on the meter's side panel and in the viewfinder show a full range of exposure information in both digital and analog form. Exposure calculations for highlights, shadows, or mid-tone areas can be made at the touch of a button. Plus, the lighting contrast can be quickly checked while looking through the viewfinder.

The Spot Meter F can automatically calculate the exposure for highlight or shadow areas. And, by using the memory function, the user can average two readings for a mid-tone exposure.

Exposure readings are shown digitally in the meter's data panel and viewfinder displays. The data panel also has an analog f/number scale that can indicate up to four exposure readings. This full range of information makes it easy to determine the optimum exposure in nearly any situation. When the Spot Meter F is switched off, the ISO and shutter speed settings are stored in memory. When the meter is switched back on, the most recent digital exposure readout and any memorized data is displayed.

**Item # MISMF.....399.95**

### Spot Meter F Accessories

#### Neck Strap (8044-1051)

Replacement.

**Item # MISNAM3.....5.95**

#### Lens Cap (8043-700)

Replacement.

**Item # MILCSMF.....4.95**

#### Synchro Cord III (8034-910)

**Item # MISC3.....29.95**

#### Case (8053-600)

Replacement.

**Item # MICSMF.....36.95**

### Color Meter IIIF (805-5103)

The Minolta Color Meter IIIF is a color compensation meter for ambient and flash with correction value memory. This makes it easier for photographers to maintain consistent color under various types of illumination. The meter measures the color of the light illuminating the subject and determines the filtration required to correct that illumination for the film in use. When measuring both ambient light and flash, selecting the Color Meter IIIF's analyzing function will subtract the ambient light and display only the measured results for flash light. Measurements can be taken for any of the three major film types: Daylight (balanced to 5500k), Type-A Tungsten (balanced to 3400k), or Type-B Tungsten (balanced to 3200k). Measurement results can be displayed as light-balancing and color-compensating indexes, Kodak Wratten filter number and CC index, or photographic color temperature (determined color temperature based on film sensitivity). Display of Kodak Wratten filter numbers makes selecting filters quick and convenient; if 2 Wratten filters are necessary, the Color Meter IIIF displays both numbers.

Color Meter IIIF users can store their own personal correction values for the recommended filtration. Correction values for LB and CC indexes can be stored in any of the meter's nine memory channels to custom-tune meter readings for the desired color reproduction. The correction values are added to the initial measured values to calculate the final displayed results.

**Item # MICM3F.....899.95**



*Minolta Spot Meter F (8053-107)*



*Minolta Color Meter IIIF (805-5103)*

### SPECIFICATIONS FOR COLORMETER IIIF

PHOTO CELL	Triple Silicon Photo Cells (filtered for R.G.B.)
MEASURING SYSTEM	Color Meter for Ambient and Flash
DISPLAY READOUT	Digital L.C.D.
SENSITIVITY AT I.S.O. 100 AMBIENT	EV3 to EV16.3
F-STOP AT I.S.O. 100 FLASH	F2.8 to F180
COLOR TEMPERATURE	1,600 to 40,000k
LB FILTER VALUE	-500 to +500 Mired
C INDEX	200m to 200g
LB FILTER NO.	85B + 81EF to 80A +80D
FLASH SYNC TIMES	1/500 to 1 sec.
POWER SOURCE	Two AA Battery
DIMENSIONS	6.3 x 2.7 x 1.1" (160 x 68 x 28mm)
WEIGHT	7 oz. (200g)

*Subject to change without notice*

### SPECIFICATIONS FOR SPOTMETER F

PHOTO CELL	Silicone Photo Cell
MEASURING SYSTEM	Spot Ambient and Flashmeter
DISPLAY READOUT	Digital L.C.D. in Viewfinder plus L.C.D. Side Panel and L.C.D. Analog
FILM SPEED I.S.O.	12 to 6,400
F-STOP	F0.7 to F90
SHUTTER SPEED	1/8000 sec. to 30 min.
FLASH SYNC TIMES	1 to 1/1000 sec.
ANGLE OF COVERAGE	1° with 12 x 17° View Field
SENSITIVITY AT 100 I.S.O.	EV1 to EV22.5
OTHER DATA	Optical System: Through-the-lens reflex type utilizing semi-silvered mirror and pentaprism; focus-fixed for readings 4¼ ft. to infinity; Magnification 1.4x; Diopter adjustment -2.5 to 1.2
POWER SOURCE	One AA Battery
DIMENSIONS	1.9 x 5.9 x 3.5" (48 x 150 x 89mm)
WEIGHT	8.5 oz. (240g)

*Subject to change without notice*

**We Ship Worldwide**



# M E T E R S

## P E N T A X

### Spotmeter V (36130)

Incorporates a single lens reflex optical system, constituting the ideal in precision exposure metering. The subject area covered by the metering angle of 1° (equivalent to the angle used by an ultra-telephoto 2000mm lens) is indicated by a small circle in the pentaprism viewfinder. The photosensitive silicon photo diode offers exceptional performance, even in low levels of light. The single linear meter scale in the viewfinder makes needle deflections easy to read, and an IRE index scale can be read directly from EV values on the side dial. The push button meter switch ensures that the batteries are not consumed unnecessarily.

**Item # PESM5.....359.95**

### Hand Strap (32940)

Replacement.

**Item # PESHSM5.....16.50**

### Lens Cap for Digital Spotmeter (31020)

Replacement.

**Item # PELCDM.....7.50**

### Case (33630)

Replacement.

**Item # PECDSM.....49.95**

### Lens Cap for Spotmeter V (31480)

Replacement.

**Item # PELCSM5.....8.95**

### Digital Spotmeter (36141)

Selectively pinpoints with extreme accuracy the correct exposures in the deepest shadows and the brightest highlights. Measures contrast ratios and serves as a brightness meter in TV or motion picture studios. Its 1° pinpoint metering angle is comparable to the field of view of a 2,000mm lens for a 35mm camera. It has a measuring range of EV 1-20. Measures exposures by four different methods: general measuring, averaging, highlight reading and shadow reading. Ideally suited to the most exacting needs of any photographer. Weighing only 9.1 oz., its bright fixed focus, through-the-lens viewfinder presents a slightly enlarged (1.15x life size) image. The silver-coated pentaprism, seven-layer multi-coating of its lens and eyepiece and fine-grooved fresnel lens all combine to create an extraordinarily brilliant viewfinder, effective even in the dimmest light. A 1° circle engraved in the center of the viewfinder outlines the image-area being measured. When the trigger-like metering button in the pistol-grip handle is squeezed, the appropriate EV number lights up in the LED panel.

**Item # PESMD.....439.95**



M E T E R S

3 1 1

### SPECIFICATIONS FOR PENTAX SPOTMETERS

MODEL	SPOTMETER V	DIGITAL SPOTMETER
PHOTO CELL	Silicon Photo Diode	Silicon Photo Diode
DISPLAY READOUT	Indicator needle in viewfinder	L.E.D. in viewfinder
MEASURING SYSTEM	Spot Ambient	Spot Ambient
FILM SPEED I.S.O.	6 to 6,400	6 to 6,400
F-STOP	F1 to F128	F1 to F128
SHUTTER SPEED	1/4000 sec. to 4 min.	1/4000 sec. to 4 min.
CINE SCALE	24 F.P.S. (1/50 sec.)	24 F.P.S. (1/50 sec.)
ANGLE OF COVERAGE	1°	1°
SENSITIVITY AT 100 I.S.O.	EV1-19 plus I.R.E. Scale	EV1-20 plus I.R.E. Scale
VIEWFINDER	Single lens reflex pentaprism type, giving erect projected image. Fresnel lens, field of view 17' horizontal and 12' vertical, 21' diagonal. Magnification 1.5x. Eyepiece correction 0 to -1 diopter. Scale illumination button provided.	Single lens reflex pentaprism type with unreversed, laterally correct image. Objective and eyepiece lenses Super-Multi-Coated and pentaprism specially silvered for brilliant viewfinder image. Even illumination achieved with finely grooved fresnel lens. 1° spot indicated in center of viewfinder, and large L.E.D. panel at bottom. Total viewfinder coverage similar in shape to that of a 35mm SLR viewfinder with a diagonal field of view of 26°, horizontal field of 22° and vertical field of 14°. Adjustable eyepiece correction from -2 to +1 diopter.
OTHER	I.R.E. Scale 1-10 lens accepts 46mm filter unit, includes tripod socket	I.R.E. Scale 1-10 lens accepts 40.5mm filter unit, includes tripod socket
POWER SOURCE	Three 1.5v #76 Batteries	One 6v PX28 Battery
DIMENSIONS	2.4 x 6.4 x 5" (62 x 163 x 127mm)	1.7 x 5.7 x 3.3" (44 x 144 x 83mm)
WEIGHT	15.9 oz (450g)	9.1 oz. (258g)

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# LIGHTMETERS

QUANTUM - CALCULITE / PENTAX

METERS

312

## Quantum Digital Meter



Calcu-Lite XP (CLXP)

### Calcu-Lite XP (CLXP)

Gives fast, accurate measurement of both reflected and incident light, with an unusually wide measuring range of EV -7 to EV +21. By rotating the meter's calculator dial to the light reading, every usable shutter speed and aperture combination can be seen at a glance. This is invaluable when determining depth-of-field. With hi-low incident dome, strap, case and batteries.

Item # **CACLXP** .....**118.00**

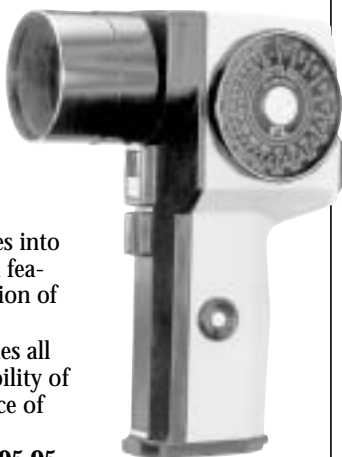
## PENTAX SPOTMETER V-FL

### Spotmeter V-FL (36127)

The Spotmeter V-FL offers 1° spot exposure readings directly in footlamberts. Both the viewfinder scale and the calculator dial are calibrated directly in footlamberts (ft/L), eliminating the time required for converting EV values into footlamberts. The calculator dial features two scales for easy calculation of luminance ratio variations.

The Spotmeter V-FL incorporates all of the technology and dependability of the Spotmeter V - your assurance of fast, precise measurement.

Item # **PESM5FL**.....**395.95**



### SPECIFICATIONS FOR SPOTMETER V-FL

PHOTO CELL	Silicon Photo Diode
MEASURING SYSTEM	Spot Ambient Reading directly in Footlamberts
DISPLAY READOUT	Indicator Needle in Viewfinder
MEASURING RANGES	0.125 to 16,000 ft/L. Scene luminance 1.5:1 Luminance ratio 1:1 to 128000:1
VIEWFINDER	Single lens reflex pentaprism type with unreversed, laterally correct image. Even illumination achieved with finely grooved fresnel lens. 1° spot indicated in the center of viewfinder. Field-of-view 21° diagonal, 17° horizontal and 12° vertical. Magnification 1.5x. Adjustable eyepiece correction 0 to -1 diopter.
OTHER	Accepts 46mm filter and has a tripod socket
POWER SOURCE	Three 1.5v #76 Batteries
DIMENSIONS	2.5 x 6.4 x 5" (62 x 163 x 127mm)
WEIGHT	15.9 oz. (450g)

### SPECIFICATIONS FOR DIGITAL FLASH METERS

MODEL	CALCULITE XP
PHOTO CELL	Blue Enhanced Silicon Photo Diode
MEASURING SYSTEM	Ambient
DISPLAY READOUT	Digital L.E.D.
FILM SPEED I.S.O.	0.5 to 50,000
F-STOP	F0.7 to F181
SHUTTER SPEED	1/4000 sec. to 60 min.
CINE SPEED	8 to 128 F.P.S.
ANGLE OF COVERAGE REFLECTED LIGHT	30°
SENSITIVITY AT 100 I.S.O.	EV-7 to EV21
POWER SOURCE	Four # 76 Batteries
DIMENSIONS	3.9 x 2.8 x 1.2" (100 x 70 x 30mm)
WEIGHT	4 oz. (112g)

Subject to change without notice

### Calcu-Lite Accessories

#### 10° Spot Attachment (SX1)

Converts reflected light measuring angle from normal 30° to 10° area spot. This is accomplished without loss in sensitivity.

Item # **CASX1**.....**52.50**

#### Flat Diffuser (DX1)

Makes calibrated illuminance measurements and contrast measurements with studio lighting.

Item # **CADX1**.....**28.95**

#### 1" Rigid Fiber Optic Probe (FOX1)

1" rigid fiber optic probe; measures reflected light values of 1/8" (3mm) diameter areas on focusing screens, groundglass, light tables and other luminant objects. It serves as a densitometer for negatives and transparencies with a resolution of 0.1 density units.

Item # **CAFOX1**.....**54.95**

#### 12" Flexible Fiber Optic Probe (FOX2)

Takes all the measurements of 1" Rigid Fiber Optic Probe (FOX-1). Additionally, features flexibility for difficult measurements.

Item # **CAFOX2**.....**66.50**

#### Swivel Studio Dome (SDX)

Takes incident light readings at 90° as opposed to 180° with the standard turret.

Item # **CASDX**.....**66.50**

#### Diffuser/Enlarging Attachment (DX2)

Can be used with a darkroom enlarger or as a lux or footcandle attachment similar to DX-1, except with a swivel head.

Item # **CADX2**.....**57.95**

#### Microscope Attachment (MX1)

Permits light readings through a microscope eyepiece.

Item # **CAMX1** .....**49.95**

#### Flash Trigger Switch (FTS)

Item # **CAFTS**.....**33.50**

#### Hard Case (HC1)

Item # **CACCF**.....**28.95**

#### Standard Turret (ST)

Incident and reflected turret. (Replacement.)

Item # **CATS**.....**12.95**

#### Hi-Low Turret (HLT)

Item # **CATHL**.....**11.95**

#### Neck Strap (NS)

Replacement.

Item # **CASN**.....**11.95**



# M E T E R S

## Q U A N T U M - C A L C U L I T E

### Photo-Meter 1, Photo-Meter 2, Photo-Meter LX

The Photo-Meter 1, 2 and Lux Meter are precision digital meters for laboratory, scientific and industrial use, as well as for video and cinematographic applications wherever accurate footcandle, footlambert or lux measurements are called for. The hand-held Photo-Meters are used for lighting surveys by architects, designers, or industrial engineers to determine the efficiency of lighting design. For example, they can quickly compare ambient illumination to video screen brightness to determine suitability of the visual environment. The switch from

footcandle or footlambert calibration is accomplished in seconds. Cinema, video, and still photographers use Photo-Meter 2 for light readings that are more precise than those with conventional lightmeters. Scene lighting of sets can be measured and adjusted for uniform illumination. This is particularly important for critical, high contrast video work. Other applications suited to the pocket-sized Photometers are stage lighting design, greenhouse surveys, measurement of illuminated signs, lamp manufacturers' testing, and more.

#### Photo-Meter 1 (PM1)

With strap and case. Reads from 0.01 to 99,900 in footcandles or footlamberts. The measurement of either unit is selected by a precalibrated turret attached to the instrument. The turret can be removed for the addition of accessory attachments for special readings.

Item # CAPM1.....383.50

#### Photo-Meter 2 (PM2)

With strap and case. Provides the capabilities of Photo-Meter 1 but also has a calculator dial which provides camera f-stop, shutter speed, frames-per-second, and EV for all film speeds.

Item # CAPM2.....383.50

#### Photometer LX (PMLX)

Used for lighting surveys by architects, designers, or industrial engineers to determine lighting design efficiency. Quickly compares ambient illumination to, for example, video screen brightness to determine suitability of the visual environment. The switch is accomplished in seconds. Scene lighting of sets can be measured and adjusted for uniform illumination. Other applications suited to the pocket Photo-Meter LX are stage lighting design, greenhouse surveys, measurement of illuminated signs, lamp manufacturers' testing, and more.

Item # CAPMLX.....383.50



#### SPECIFICATIONS FOR PHOTO-METER 1 AND 2

PHOTO CELL	Silicon Photo Diode with Photometric Filter
MEASURING SYSTEM	Footcandles and Footlamberts
RANGE	0.01 to 99,900 in 5 Ranges
DISPLAY READOUT	Three Digit L.E.D.
ANGLE OF COVERAGE	Illuminance 180°, Luminance 25°
POWER SOURCE	Four # 76 Batteries
DIMENSIONS	3.9 x 2.8 x 1.2" (100 x 70 x 30mm)
WEIGHT	4 oz. (112g)

#### SPECIFICATIONS FOR PHOTO-METER 2 WITH CALCULATOR DIAL

FILM SPEED I.S.O.	0.8 to 50,000
F-STOP	F0.3 to F128
SHUTTER SPEED	1/1000 sec. to 15 min.
CINE SPEED	8 F.P.S. to 128 F.P.S.

#### SPECIFICATIONS FOR PHOTOMETER LX

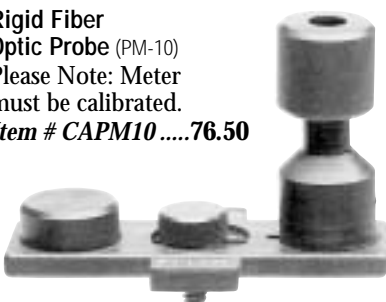
PHOTO CELL	Silicon Photodiode with Photometric Filter
MEASURING SYSTEM	Footcandles and Footlamberts
RANGE	0.01 to 999,000 in 5 Ranges
DISPLAY READOUT	Three digit L.E.D.
ANGLE OF COVERAGE	Illuminance 180°, Luminance 25°
POWER SOURCE	Four # 76 Batteries
DIMENSIONS	3.9 x 2.8 x 1.2" (100 x 70 x 30mm)
WEIGHT	4 oz. (112g)

Subject to change without notice

### Accessories for Photo-Meter 1, Photo-Meter 2, Photo-Meter LX

Rigid Fiber  
Optic Probe (PM-10)  
Please Note: Meter  
must be calibrated.

Item # CAPM10.....76.50



#### Rotating Illuminance Receptor (PM-11)

The receptor disc rotates to read footcandles from any direction. This type of receptor is used frequently by TV and film camera-men, and its operating position is preferred by some. When ordered, PM-11 replaces the standard turret supplied with photometers. PM-11 has an alternate position for footlambert readings. Meter must be calibrated.

Item # CAPM11.....79.95

#### Fiber Optic Probe (PM-12)

This flexible probe is approximately 12" (30cm) long by 1/8" (3mm) diameter. It reads luminance of video screens, light diffusers and other self-luminant objects. It may also read small areas of film transparencies when illuminated from behind. The meter must be calibrated.

Item # CAPM12.....274.95



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# LIGHTMETERS

## POLARIS / SOLIGOR

METERS

314

### Polaris Digital Exposure Meter

#### Digital Exposure Meter (SPD 100)

The Polaris Digital Exposure Meter is a compact flash and ambient lightmeter that has many features of the more expensive flashmeters. A custom Program Level Function lets you program your meter for slightly under or over exposure. A unique multi-flash feature makes it simple to calculate how many times the flash must be fired to achieve a desired f-stop. The Polaris' large LCD display shows both the shutter speed and f-stop in 1/10 stop increments. Reverse polarity adapter, strap and case included.

Item # SHP .....**219.95**



#### SPECIFICATIONS FOR POLARIS METER

PHOTO CELL	Silicon Photo Diode
MEASURING SYSTEM	Ambient and Flash
DISPLAY READOUT	Digital L.C.D. plus Analog L.C.D.
FILM SPEED I.S.O.	3 to 8,000
F-STOP	F0.5 to F90
SHUTTER SPEED	1/8000 sec. to 60 sec.
FLASH SYNC	1/500 sec. to 1 sec.
ANGLE OF COVERAGE REFLECTED LIGHT	35°
SENSITIVITY AT 100 I.S.O.	EV1 to 19.9
OTHER	Analog Display
POWER SOURCE	One AA Battery
DIMENSIONS	4.7 x 2.5 x 0.8" (119 x 63 x 21mm)
WEIGHT	3.3 oz. (94g)

*Subject to change without notice*

### Soligor Spot Sensor II and Digital Spot Sensor

#### Spot Sensor II

With strap, battery, rubber eye cup and case. Incorporates a single lens reflex optical system, constituting the ideal in precision exposure metering. The subject area covered by the very small metering angle of 1° (equivalent to the angle used by an ultra-telephoto 2000mm lens) is indicated by a small circle in the pentaprism viewfinder. The brightness of even minute detail in the subject field can be measured easily and quickly. The photosensitive element used in the Spot Sensor II is a silicon photo diode (SPD) with exceptional performance, even in low levels of light.

Item # SOSM .....**199.95**

#### Digital Spot Sensor

With strap, battery, rubber eye cup and case. Selectively pinpoints with extreme accuracy the correct exposures in the deepest shadows and the brightest highlights. Can also measure contrast ratios and serve as a brightness meter in T.V. or motion picture studios. It has a 1° pinpoint metering angle which is comparable to the field of view of a measuring range of EV 1-20. Measures exposures by four different methods: general measuring, averaging, highlight reading and shadow reading. Ideally suited to the most exacting needs of any photographer, professional or amateur.

Item # SOSMD .....**249.95**



Soligor Spot  
Sensor II

Soligor  
Digital Spot  
Sensor II

#### SPECIFICATIONS FOR SOLIGOR METERS

MODEL	SPOT SENSOR II	DIGITAL SPOT SENSOR
PHOTO CELL	Silicon Photo Diode	Silicon Photo Diode
DISPLAY READOUT	Indicator Needle in Viewfinder	L.E.D. in Viewfinder
MEASURING SYSTEM	Spot Ambient	Spot Ambient
FILM SPEED I.S.O.	6 to 12,1800	6 to 12,1800
F-STOP	F1 to F128	F1 to F128
SHUTTER SPEED	1/4000 sec to 30 min.	1/4000 sec to 30 min.
CINE SCALE	8 F.P.S. to 128 F.P.S.	8 F.P.S. to 128 F.P.S.
ANGLE OF COVERAGE	1°	1°
SENSITIVITY AT 100 I.S.O.	EV2 to EV18	EV1 to EV19.9 plus I.R.E. Scale
VIEWFINDER	Single lens reflex pentaprism type giving a right side image. 15° horizontal angle of view and diopter adjustment	Single lens reflex pentaprism type giving a right side image. 15° horizontal angle of view and diopter adjustment
OTHER	Accepts 43mm filters, Unit includes tripod socket.	Accepts 43mm filters, Unit includes tripod socket.
POWER SOURCE	9v Battery	9v Battery
DIMENSIONS	5.2x5.8x2" (132x147x52mm)	5.2x5.8x2" (132x147x52mm)
WEIGHT	11.7 oz. (330g)	11.3 oz. (320g)

*Subject to change without notice*

### Auto Lumi and Auto Leader Meters

#### Auto Lumi L-158 (401-158)

With strap and case. An easy-to-use, match needle reflected light exposure meter. Lightweight and thin, it fits in a shirt pocket. The L-158 meter is a selenium photocell meter that does not require the use of batteries.

**Item # SEL158.....59.00**

#### Auto Leader L-188 (401-188)

With strap, battery and case. An easy to use, match needle reflected light exposure meter. Lightweight and thin design - fits into shirt pocket. The Auto Leader L-188 has a high sensitive CDS cell that allows for lower light measurements. An optional underwater housing is also available.

**Item # SEL188.....79.00**

#### SPECIFICATIONS FOR AUTO LUMI/LEADER

MODEL	L-158	L-188
MEASURING SYSTEM	Ambient (Reflective)	Ambient (Reflective)
DISPLAY READOUT	Indicator Needle	Indicator Needle
FILM SPEED I.S.O.	6 to 12,000	6 to 12,000
F-STOP	F1 to F64	F1 to F64
SHUTTER SPEED	1/2000 sec. to 8 sec.	1/2000 sec. to 8 sec.
CINE	8 to 128 F.P.S.	8 to 128 F.P.S.
ANGLE OF COVERAGE	65°	65°
SENSITIVITY AT I.S.O. 100	EV7 to EV17	EV3 to EV18
POWER SOURCE	-	SR - 44 Battery
DIMENSIONS	2 x 3 x 1" (52 x 77 x 25mm)	3.2 x 2 x .75" (81 x 52 x 19mm)
WEIGHT	2 oz. (56g)	1.7 oz. (48g)

*Subject to change without notice*

### Footcandle and Lux Meters

The Sekonic Footcandle Meter L-246 and Lux Meter L-246LX are lightweight, compact direct measurement meters. They both have a swivel head, and the simplified scale facilitates easy readings. Both meters have a selenium photocell that eliminates the use of batteries. They include lumidisc, high slide and neck strap.

#### Footcandle

#### Meter L-246 (401-246)

**Item # SEL246.....149.00**

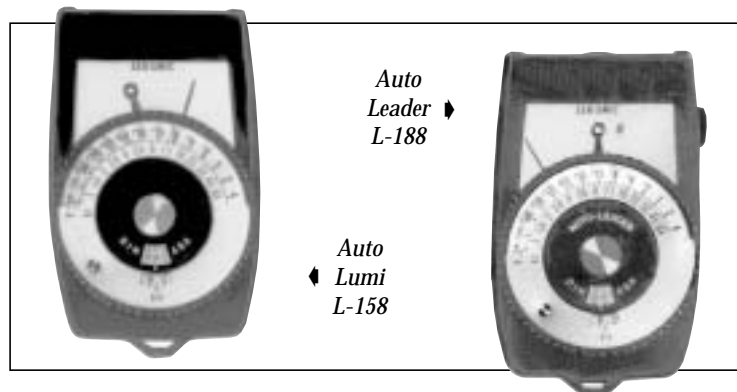
#### Lux Meter L-246LX (401-206)

**Item # SEL246LX.....149.00**

#### SPECIFICATIONS FOR FOOTCANDLE/LUX METERS

MODEL	L-246	L-246LX
DISPLAY READOUT	Indicator Needle	Indicator Needle
MEASURING SYSTEM	Incident Light Type	Incident Light Type
MEASURING RANGE:	Low Range Mid Range High Range	Low Range Mid Range High Range
ACCURACY	±10% (tested with standard single-plane tungsten lamps of 2854°K color temperature)	±10% (tested with standard single-plane tungsten lamps of 2854°K color temperature)
ANGLE DEVIATION	30°: -3% or less; 60°: -10% or less	30°: -3% or less; 60°: -10% or less
DIMENSION	4.4 x 2.3 x 1" (112 x 58 x 27mm)	4.4 x 2.3 x 1" (112 x 58 x 27mm)
WEIGHT	4.5 oz. (126g)	4.5 oz. (126g)

*Subject to change without notice*



#### Accessories for the L-246 and L-246LX

Lumisphere Incident Light Replacement.

**Item # SELSL246.....18.95**

Lumigrad Reflected Light Replacement.

**Item # SELGL246.....18.95**

Slide (401-834)

**Item # SELSL246.....6.50**

Lumidisc Low Measure (401-833) Replacement.

**Item # SELDLML246.....7.95**

Lumidisc High Measure (401-832) Replacement.

**Item # SELDHML246.....9.95**



# LIGHT METERS

SEKONIC

METERS

316

## Studio Deluxe II and Digilite Meters



Studio Deluxe II L-398M

**Studio Deluxe II L-398M (401-398)**  
The industry standard for incident and reflected light measurement. A swivel head and needle lock facilitate easy and accurate readings. Plus a memory pointer retains prior readings. The selenium photocell eliminates the need for batteries. Includes lumidisc for adjusting illumination contrast, measuring illumination intensity and lumigrad for measuring reflected light. With lumidisc, lumisphere, lumigrad, high-slide, case and strap.  
**Item # SEL398M.....169.00**

**Digilite L-318B (401-318)**  
Thin, light pocket size digital lightmeter for incident and reflected light. Convenient control knobs makes one hand operation possible. 270° swivel head facilitates easy and accurate readings. Complete with lumisphere, lumigrad reflected light attachment, lumidisc, cane, neck strap and battery. Optional 5° spot measurement attachment makes this the ideal choice for general as well as studio photography.

**Item # SEL318B.....219.00**



Digilite L-318B

## Flashmate L-308 BII

Flashmate L-308 BII



**Flashmate L-308 B II**  
The Flashmate L-308 B II is a small, compact, sleek and professional flashmeter, with a design that makes it the choice of professional as well as amateur photographers. It offers a direct readout on LCD display. Ambient or flash measurement can be selected by a single mode selection button. Incident or reflected light reading is selected by sliding a light receptor. With case, strap and battery.

**Item # SEL308B2.....249.00**

Flashmate specifications on next page

## Accessories for the L-318B

**Lumisphere Incident Light (401-824)**  
Replacement.  
**Item # SELSL318B.....9.95**

**Lumigrad Reflected Light (401-826)**  
Replacement.  
**Item # SELGL318B.....9.95**

**Lumidisc Contrast Light (401-825)**  
Replacement.  
**Item # SELDL318B.....9.95**

**Long Case (401-806)**  
**Item # SECLL318B.....22.95**

**Case (401-843)**  
**Item # SECL318B.....22.95**

**Strap (401-862)**  
Replacement.  
**Item # SELS318B.....2.95**

## Accessories for the L-398/M

**Lumisphere Incident Light (401-821)**  
Replacement.  
**Item # SELSL398.....9.95**

**Lumigrad Reflected Light (401-823)**  
Replacement.  
**Item # SELGL398.....9.95**

**Lumidisc Contrast Light (401-822)**  
Replacement.  
**Item # SELDL398.....9.95**

**Slide Set (401-805)**  
This slide set contains eleven slides altogether, with a case. You can obtain a direct readout of the required exposure values by using these slides together with the L-28C2 or Studio Deluxe II L-398.  
**Item # SESSL398.....55.95**

## SPECIFICATIONS FOR STUDIO DELUXE II and DIGILITE METERS

MODEL	L-398M	L-318 BII
PHOTO CELL	Selenium Cell	Silicon Photo Diode
MEASURING SYSTEM	Ambient (Incident and Reflective)	Ambient
DISPLAY READOUT	Indicator Needle	Digital LCD plus Analog LCD
FILM SPEED I.S.O.	6 to 12,000	3 to 8,000
F-STOP	F0.7 to F128	F1 to F90
SHUTTER SPEED	1/8000 sec. to 60 sec.	1/8000 sec. to 30 min.
CINE	8 to 128 F.P.S.	8 to 128 F.P.S.
SENSITIVITY AT 100 I.S.O.	EV4 to 17	EV1 to EV19.9
SENSITIVITY AT FOOTCANDLES	1 to 40,000	One AA Battery
DIMENSIONS	4.4 x 2.3 x 1.3" (112 x 58 x 34mm)	4.8 x 2.5 x 9" (121 x 64 x 23mm)
WEIGHT	6.7 oz. (188g)	3.9 oz. (110g) w/o Battery

Subject to change without notice

14-Day Customer Satisfaction Guarantee

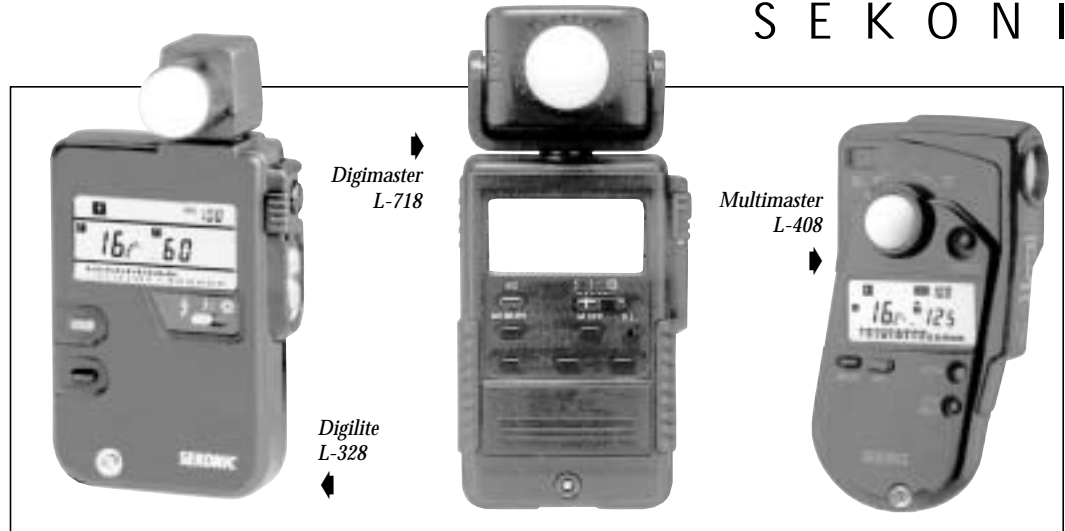
# M E T E R S

S E K O N I C

## Digilite L-328 (401-328)

The easy-to-use Digilite L-328 lightmeter has the same features as the Flashmate L-308. Plus the user gets the advantage of both digital and analog indications in a single display, as shown on the advanced LCD panel. The Digilite L-328 also features the Lumidisc for contrast control and the optional viewfinder 5° attachment. With Lumisphere, reflected light, Lumidisc, case, neck strap and battery.

Item # SEL328.....**269.00**



## Multimaster L-408 (401-408)

No more tricky light balancing problems! A 3-exposure reading memory allows for ideal contrast readings. Multiple pops can also be read. Switch easily from incident to contrast measurement mode without additional accessories. With the unique retractable sphere system, you can instantly change between incident and contrast mode measurements - the Lumisphere actually recesses into the body. Offers exclusive built-in spot metering. The built-in 5° spot attachment lets you move in close and get the shot quickly (even in flash mode). It is the ideal location meter, giving quick, easy, accurate readings on demand. Helps metering even the most difficult light situations. 1/10th f-stop accuracy in any of its flash cord, flash cordless or ambient modes, as well as 5° spot. Completely water resistant, the L-408 stands up to rain, sleet or snow (meets JIS Level 4 Standard for water resistance). With case, strap and battery.

Item # SEL408.....**329.00**

## Digimaster L-718 (401-718)

A state-of-the-art ambient and flashmeter with a built-in micro computer and seven different function modes. Offers different functions, such as cord or cordless measurement for cumulative flash readings, T-priority, F-priority and EV measurements for ambient light. It also has a memory display function for 2 measured F-stop values plus the current reading, and a display illumination by electro luminescence for taking readings under extremely low light conditions. Rugged, rubber covered body absorbs shocks and prevents slippage. With Lumisphere, Lumi-Disc, reflected light attachments (Lumigrid), batteries, case and strap. An optional 5° spot attachment is available for spot readings.

Item # SEL718.....**339.00**

### SPECIFICATIONS FOR FLASHMATE L-308, DIGILITE L-328, MULTIMASTER L-408, and DIGIMASTER L-718

MODEL	L-308 BII	L-328	L-408	L-718
PHOTO CELL	Silicon Photo Diode	Silicon Photo Diode	Silicon Photo Diode	Silicon Photo Diode
MEASURING SYSTEM	Ambient and Flash	Ambient and Flash	Ambient, Flash and 5° Spotmeter	Ambient and Flash
DISPLAY READOUT	Digital L.C.D.	Digital L.C.D. plus Analog L.C.D.	Digital L.C.D. plus Analog L.C.D.	Digital L.C.D. plus Analog L.C.D.
FILM SPEED I.S.O.	3 to 8,000	3 to 8,000	3 to 8,000	3 to 8,000
F-STOP	F0.5 to F90	F1 to F90	F1 to F90	F1 to F90.9
SHUTTER SPEED - AMBIENT	1/8000 sec. to 60 sec.	1/8000 sec. to 30 min.	1/8000 sec. to 30 min.	1/8000 sec. to 30 min.
SHUTTER SPEED - FLASH	1/500 sec. to 1 sec.	1/500 sec. to 1 sec.	1/500 sec. to 1 sec.	1/500 sec. to 1 sec.
CINE SPEED	8 to 128 F.P.S.	8 to 128 F.P.S.	8 to 128 F.P.S.	8 to 128 F.P.S.
SENSITIVITY AT 100 I.S.O.	EV0 to EV19.9	EV-1 to EV19.9	EV-1 to 19.9	EV-1 to EV19.9
OTHER DATA	-	Analog display, memory for set value, auto power off	Built-in spotmeter analog display, up to 9 readings data memory, auto power off, water resistant	Analog display, rubberized grip, 2 reading data memory
POWER SOURCE	One AA Battery	One AA Battery	One AA Battery	Two AA Batteries
DIMENSIONS	4.3 x 2.5 x 0.9" (110 x 63 x 22mm)	4.7 x 2.5 x 0.9" (121 x 64 x 23mm)	3 x 5.7 x 1.6" (77 x 144 x 41mm)	6.2 x 2.7 x 1.1" (157 x 68 x 28mm)
WEIGHT W/O BATTERY	2.8 oz. (80g)	3.9 oz. (112g)	6.3 oz (178g)	6.7 oz. (190g)

Subject to change without notice



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# LIGHTMETERS

SEKONIC

METERS

318

## Zoom Master L-508 and Digital Spot F L-778

### Zoom Master L-508 (401-508)

The L-508 Zoom Master is the one lightmeter that fits every exposure challenge for the professional or dedicated enthusiast. With the turn of a switch, you can select the ideal reflective measuring angle - between 1° to 4° zoom. It is also an incident meter with a 270° swivel head. The L-508 Zoom Master spot and flashmeter, with its built-in retractable lumisphere, are all safely protected in a rugged, sealed all-weather housing.

Item # **SEL508**.....**429.00**



### Digital Spot F L-778 (401-778)

The Dual Spot F L-778 is a variable 1° to 3° spot flashmeter with a latitude zone setting for obtaining optimum exposure. Continuous ambient readings with a memory mode that retains up to 5 measured values. Ambient readings are changeable to flash reading with a single mode selection button. The meter can be mounted onto a tripod via a tripod screw. Can be mounted on a hot shoe for wireless remote triggering.

Item # **SEL778**.....**699.00**

## SPECIFICATIONS FOR L-508 and L-778

MODEL	L-508	L-778
PHOTO CELL	Silicon Photo Diode	Silicon Photo Diode
MEASURING SYSTEM	Ambient and Flash Zoom	Spot Ambient and Spot Flashmeter
DISPLAY READOUT	Cool Blue Display	Green L.E.D. in Viewfinder plus Side Panel Digital L.C.D. and Analog L.C.D.
FILM SPEED I.S.O.	1 to 8,000	1 to 12,500
F-STOP	f/1 to f/128.9	f/0.5 to f/128
SHUTTER SPEED	1/8000 sec. to 30 min.	1/8000 sec. to 30 min.
CINE SPEED	2 F.P.S. to 360 F.P.S.	8 F.P.S. to 128 F.P.S.
FLASH SYNC TIMES	1 to 1/1000 sec.	1 to 1/1000 sec.
ANGLE OF COVERAGE	Incident 270°/Reflected 1° to 4°	Interchangeable from 1° to 3°
SENSITIVITY AT 100 I.S.O.	EV-2 to EV19.9	EV1 to EV20.9
VIEWFINDER	Variable 1° to 4° parallax-free spot	Single-lens type with pentagonal prism of fixed focus, Magnification approximately 1.34 times. Viewing angle 14.6° (diagonal angle). Diopter correction 2.5 to 1.2 diopter. Viewing displays circles comprised of 1° and 3° acceptance angles, and digital display of angle of acceptance selected together with measured value.
POWER SOURCE	One AA Battery	Two AA Batteries
DIMENSIONS	3.3 x 6.1 x 1.6" (82 x 161 x 39mm)	6.8 x 3.8 x 2" (173 x 96 x 52mm)
WEIGHT	8.5 oz. (240g)	12.2 oz. (346g)

Subject to change without notice

## Accessories for Digital Meters

### 5° Optical Spot Viewfinder for L-318B and L-328 (401-802)

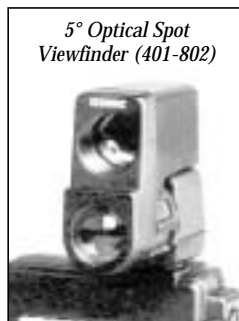
This optical spot viewfinder allows both direct flash and ambient 5° spot measurements when used with the Digilite L-328. Direct ambient 5° spot measurements are possible when used with the Digilite L-318B.

Item # **SESA5328**.....**109.95**

### 5° Optical Spot Viewfinder for L-718 (401-803)

The optional 5° Optical Spot Viewfinder allows both direct flash and ambient 5° spot readings when used with the Digimaster L-718 ambient and Flashmeter.

Item # **SEVF5L718**.....**133.95**



### Pinpoint Attachment for L-718 (401-804)

The Pinpoint Attachment L-718PP allows "Groundglass" measurements for medium and large format users when used with the Digimaster L-718.

Item # **SEFOAL718**.....**55.95**

### Synchro Cord for all Flashmeters (401-801)

Specially designed "T" style PC cord (3 leads) allowing for easy flash connections between the meter, camera and strobe. Extra long, 5m (15 foot) length is compatible with all Sekonic flashmeters.

Item # **SESCL718**...**29.50**

Technical Advice Available

### Accessories for Digital Meters, *continued*

**Lumidisc** (401-830)  
For L-308 BII. Replacement.  
**Item # SELDL308B2.....23.95**

**L-328 Lumidisc** (401-825)  
For L-328.  
**Item # SELDL328.....9.95**

**L-718 Lumidisc** (401-828)  
For L-718.  
**Item # SELDL718.....9.95**

**L-328 Lumisphere** (401-824)  
For L-328.  
**Item # SELSL328.....9.95**



**L-718 Lumisphere** (401-827)  
For L-718.  
**Item # SELSL718.....9.95**

**L-718 Lumigrad** (401-829)  
For L-718.  
**Item # SELGL718.....9.95**

**L-328 Case** (401-844)  
For L-328.  
**Item # SECL328.....26.95**

**L-718 Case** (401-847)  
For L-718.  
**Item # SECL718.....59.95**

**L-778 Case** (401-848)  
For L-778.  
**Item # SECL778.....59.95**

**L-328 Long Case** (401-806)  
For L-328.  
**Item # SECLL318B .....22.95**

**Strap** (401-862)  
For L-328, L-408, L-718, and L-778.  
**Item # SESL328.....2.95**

**L-408 Case** (401-846)  
For L-408.  
**Item # SESL408.....34.95**

**Synchro Cord** (401-801)  
Plugs between meter and flash. Allows triggering of the flash from the meter. For all Gossen flashmeters. 15' cord. (5m)  
**Item # SESCL718.....29.50**

### Marine Meter II



**Marine Meter II L-164C** (401-164)  
An analog reflected lightmeter for marine use with still or motion picture photography. The Marine Meter II can be used for measurement near the water surface, in shallow water (10 - 13 ft.), or at depths from 16-180 ft. It comes with a case, neck strap, spare "O" ring, grease and battery.  
**Item # SEL164C.....499.95**

### SPECIFICATIONS FOR MARINE METER METER

MEASURING SYSTEM	Reflected Light
DISPLAY READOUT	Indicator Needle
FILM SPEED I.S.O.	6 to 12,000
F-STOP	f/1 to f/64
SHUTTER SPEED	1/2000 sec. to 1 sec.
ANGLE OF COVERAGE REFLECTED LIGHT	30°
SENSITIVITY AT 100 I.S.O.	EV5 to 17
MAXIMUM DEPTH LIMIT	180 ft. (60m)
WORKING TEMPERATURE	14° - 110° f (-10° - 45° C)
POWER SOURCE	625 Battery (or equivalent)
DIMENSIONS	3 1/2" (86mm) diameter
DEPTH	2 1/2" (67mm) diameter
WEIGHT	8 oz. (240g)

*Subject to change without notice*

### VISATEC Meters

**DFM Flash Meter** (561-000)  
An exceptionally large measuring range of 14 2/3 f-stops from f/1.0 to f/90 2/3. The large LCD display makes it easy to see the 1/3 f-stop increment measurements. Designed for speed, this meter does not have to be cleared (zeroed) between readings. It connects to a PC-cord which allows triggering of the flash from the meter. It can also be operated cord free. The DFM offers two metering ranges in two modes: LOW and HIGH setting for single shot readings, plus MULTI-LOW and MULTI-HIGH readings that allow the measurement to build in order to determine how many flashes it will take to provide the preselected amount of light. Manual on/off switch.  
**Item # VIDFM.....495.95**



### SPECIFICATIONS FOR VISATEC DFM METER

PHOTO CELL	Silicon Blue Photo Diode
MEASURING SYSTEM	Ambient and Flashmeter
DISPLAY READOUT	Digital L.C.D.
FILM SPEED I.S.O.	25-800
F-STOP	f/1 to f/90½
SHUTTER SPEED	1/60 sec.
FLASH SYNC	1 sec. to 1/500 sec.
ANGLE OF COVERAGE REFLECTED LIGHT	45°
SENSITIVITY AT 100 I.S.O.	EV1 to EV29
POWER SOURCE	9v
DIMENSIONS	5.8 x 3.1 x 1.4" (14.7 x 8 x 3.6cm)
WEIGHT	7.9 oz. (224g)

*Subject to change without notice*

# LIGHT METERS

## SHEPHERD

METERS

320

Shepherd meters are full-featured, professional quality products costing substantially less than comparable meters. They offer a wide range of features and the ability to measure and evaluate complex lighting situations, as well as calculate multiple flash set-ups. Even though most cameras have built-in metering, the low cost and high reliability of Shepherd meters

make them an indispensable insurance policy for backup with any outfit. All have incident and reflected meter reading capability. Dependability and solid performance are found in the full line of Shepherd meters, which include an available lightmeter and three flashmeters. Shepherd meters are an excellent choice for both studio and on-location photography.

### Digital Exposure Meter (DM170)

With case and strap. A convenient and accurate light exposure meter for ambient light readings. Reads both incident and reflected light. Lightweight and dependable, this meter is a needed backup for any in-camera photo outfit. Sensitive silicon blue metering cell measures quickly and accurately, with no memory lag. Warning signals for power-on, low battery caution and situations beyond the meter's range. Extra large three digit LED display with readouts in precise 1/10th stop increments. Power saver circuitry with meter shut-off after 30 seconds.

Item # **SHDM170**.....**102.50**

### Flash and Ambient Meter FM990 (SFM-990)

With case and strap. Offers peak performance and great versatility. A blinking LCD measures in half-stop increments for the precise exposures needed, and incorporates all the features of the FM880 with additional capabilities. Functions as both a flash and ambient lightmeter; a choice of four shutter speeds simplifies the calculation of fill-flash exposures. They range from 1/60 to 1/500, to match sync speed.

Item # **SHFM990**.....**99.95**

### Flash and Ambient Meter FM-1000 (SFM-1000)

With case and strap. A very sensitive meter with expanded applications required by photographers who need more. With all of the capabilities found on the FM880 and FM990, plus many important extras, the FM1000 offers professional level features and performance. Expanded aperture range to f/128; warning signals, including alerts for ready light, low battery, battery polarity and light intensities beyond meter range; bright two-digit LED display with precise readings in 1/3 f-stop increments; advanced power saver circuitry turns off digital LED's after five seconds while the push of a button recalls the reading instantly; main power is turned off in 2 minutes automatically.

Item # **SHFM1000**.....**155.50**

### SPECIFICATIONS FOR SHEPHERD METERS

MODEL	DM170	FM990	FM1000
PHOTO CELL	Silicon Blue Photo Diode	Silicon Photo Transistor	Silicon Photo Transistor
MEASURING SYSTEM	Ambient	Ambient and Flashmeter	Ambient and Flashmeter
DISPLAY READOUT	L.E.D. Digital	L.E.D. Array	L.E.D. Digital
FILM SPEED I.S.O.	6 to 6,400	6 to 6,400	6 to 6,400
F-STOP	F1 to F128	F1 to F90	F1 to F128
SHUTTER SPEED	1/4000 sec. to 2 min.	1/60 to 1/500 sec.	1/60 to 1/500 sec.
FLASH SYNC	-	1/60 to 1/500 sec.	1/60 to 1/500 sec.
ANGLE OF COVERAGE REFLECTED LIGHT	45°	45°	45°
SENSITIVITY AT 100 I.S.O.	EV0.1 to EV19.9	L.E.D. Array does not measure in EV	EV1 to EV29
POWER SOURCE	9v	9v	9v
DIMENSIONS	2.4 x 5.1 x 1.3" (62 x 130 x 32mm)	2.6 x 5.1 x 1.3" (67 x 130 x 32mm)	2.6 x 5.1 x 1.3" (67 x 130 x 32mm)
WEIGHT	3.7 oz. (106g)	3.6 oz. (102g)	4.2 oz. (120g)

Subject to change without notice

### Accessories

15 Ft. Remote Cord  
Item # **SHRC15**.....**14.95**

Polarity Adapter  
Item # **SHPA**...**4.95**





### Novatron Flashmeter

#### Novatron Flashmeter (FM-02)

The Novatron Flashmeter is small enough to fit in a shirt pocket. Its face plate lists the popular film speeds across the top row. To the left is a column of indicators. The meter is simple to use. Simply turn it on and fire a test flash. One of the indicators on the meter's face will illuminate. The illuminated indicator indicates the correct row of f/stops. To find which one is appropriate, match it to the proper film speeds noted on the top row. Because of its ease-of-use, this meter is excellent for the entry level photographer.

Item # **NOFM02** ..... **79.95**



#### SPECIFICATIONS FOR NOVATRON FLASHMETER

MEASURING SYSTEM	Incident Flashmeter
DISPLAY READOUT	LED Array
FILM SPEED I.S.O.	25 to 400
F-STOP	F2.8 to F32½
FLASH SYNC	1/125 sec.
ANGLE COVERAGE INCIDENT LIGHT	35-135°
POWER SOURCE	9v Battery
DIMENSIONS	3.7 x 2.4 x 1" (95 x 60 x 25mm)
WEIGHT	2.5 oz. (72g)

*Subject to change without notice*

### Wein Flashmeters

#### Flashmeter WP-500B (950-010)

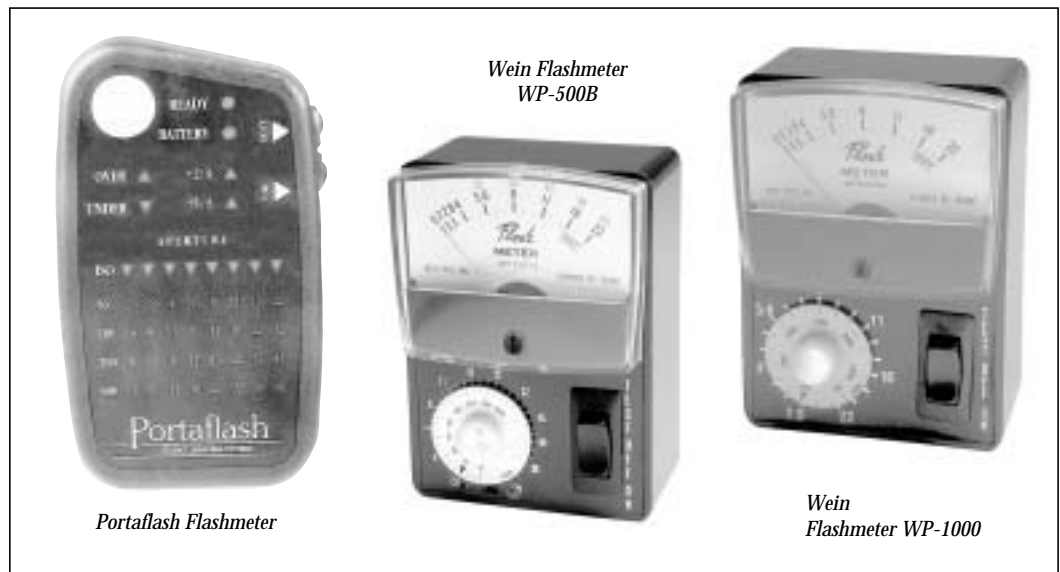
Reads the incident flash light from the electronic flash unit and integrates it with the ambient light to provide an accurate exposure light reading in direct f-stops up to F22. The reading is permanently recorded until the meter is manually reset.

Item # **WEWP500B** ..... **65.99**

#### Flashmeter WP-1000 (950-020)

The Wein Flashmeter WP-1000 utilizes all the features of the WP-500B. The f/stop range is increased to f/90, and the meter readings are accurate to 1/6 of an f/stop.

Item # **WEWP1000** ..... **98.99**



Portaflash Flashmeter

Wein Flashmeter  
WP-500B

Wein  
Flashmeter WP-1000

### Portaflash Flashmeter

#### Portaflash Flashmeter

An economic and simple to use flashmeter. Accurate to 1/3 of a stop with over and under range indicators, cord and cordless triggering. An 8-stop range of f/2.8 to f/32 at I.S.O. 100 makes this flashmeter a great buy even for those photographers with a tight budget.

Item # **SPFM** ..... **139.95**

#### SPECIFICATIONS FOR PORTAFLASH

MEASURING SYSTEM	Flashmeter
DISPLAY READOUT	L.E.D. Array
FILM SPEED I.S.O.	50 to 400
F-STOP	F2.8 to F32
FLASH SYNC	1/60 sec.
ANGLE OF COVERAGE INCIDENT LIGHT	35 - 135°
POWER SOURCE	9v Battery
DIMENSIONS	4.5x2.5x1" (11.4x6.4 x2.5cm)
WEIGHT	2.5 oz. (70g)

*Subject to change without notice*

#### SPECIFICATIONS FOR WEIN FLASHMETER

MODEL	WP-500B	WP-1000
MEASURING SYSTEM	Incident Flashmeter	Incident Flashmeter
DISPLAY READOUT	Indicator Needle	Indicator Needle
FILM SPEED I.S.O.	25 to 1,600	25 to 6,400
F-STOP	F2 to F22	F2 to F90
FLASH SYNC	1/250 sec.	1/250 sec.
POWER SOURCE	9v Battery	9v Battery
DIMENSIONS	4.3 x 2.8 x 1.9" (110 x 72 x 49mm)	4.3 x 2.8 x 1.9" (110 x 72 x 49mm)
WEIGHT	5 oz. (140g)	5.2 oz. (148g)

*Subject to change without notice*



# The Professional Photo SourceBook

## Section 8

### Camera Filters

Introduction .....	324-325
Tiffen Intro Kits .....	376
B+W Glass .....	326-344
Heliopan Glass .....	345-349
Hoya Glass .....	350-358
Tiffen Glass .....	359-376
Cokin Resin .....	377-379
Hitech Resin .....	380-385
Lee Resin .....	386-393
Lindahl Resin .....	393-394
Kodak Flexible ..	395-398, 400-401
Lee Flexible .....	395-401
Opliflex Flexible .....	395-398
Filter Holders .....	401-402
Filter Pouches .....	376

# INTRODUCTION

## FILTERS

### Expand Your Vision With Filters

If you are serious about photography (and especially if you take pictures for a living), you want as much control as possible over your images. Filters are essential tools that provide control over the quality of the image that appears on your negative or transparency. Filters are also used as an addition to the creative photographer's palette.

A well-chosen filter can not only correct a multitude of problems on location or in the studio, it can also change the overall look of a scene and the nature of the final work from a literal depiction to an interpretive, even abstract, creation.

There are a few basic principles that will help you choose and use the right filter for any given situation.



*Lindahl EFX 3 x 3" Drop-In Filters*

In Black and White photography, different colored filters block different parts of the color spectrum, causing changes in contrast and tonal relations. Depending on which filter you use and how deep the color is, these changes can be dramatic. For example, two colors side-by-side may be rendered identical shades of gray — even contrasting colors like red and blue. Yet, if you use a red filter, the red will be rendered much lighter, while the blue becomes a darker shade of gray. Using filters intended for black and white photography with color film can also have dramatic, but very different, effects.

Skylight and UV filters offer more subtle image control. Photographic films are more sensitive to ultraviolet light than our eyes are. A blue haze may appear in photographs taken when there is excessive UV light. A UV filter can reduce atmospheric haze when it is caused by blue radiation and ultraviolet. Since our eyes cannot see this part of the spectrum, UV filters, also known as skylight or haze



*Hitech 4x4" Color Graduated*

filters, are recommended for all outdoor shooting.

In Color photography, you can add a lightly-colored filter to enhance an already-dominant color, to add a color that isn't there, or to create a mood. You can also change the mood of a photo by using a fog filter, which will make even the sunniest scene look like it is in deep fog. Or use a graduated filter to subtly smooth out the difference in brightness between the sky and the ground. Graduated filters are available in different degrees of intensity and are available in colors, as well. Most graduated filters are available in rectangular shapes, so you can control which part of the "fade" you want to emphasize by moving the filter across the lens.

When shooting indoors, use of a Fluorescent filter will turn the yellow-green hues that film sees under this kind of light into more natural-looking tones. Similarly, filters are available to turn the orange light that comes from a tungsten light source into a daylight-balanced look.

Both color and black and white film can benefit from the use of polarizers. A polarizer can dramatically darken the sky, or greatly reduce reflections off of translucent surfaces like water or glass by partially blocking polarizing light vibrations.



*Screw-In Filters*

# INTRODUCTION

## FILTERS

Use special effects filters to bring a new dimension to your work. Prism filters can multiply your subject within the frame; starburst filters will add dramatic Hollywood glamour effects. New generations of these filters, like **B+W's** Spectra and **Tiffen's** Hollywood FX filters, offer an even more dramatic look. And you can create flattering portraits and smooth out your subjects when doing portrait work by using soft-focus filters like those offered by Hoya.

Screw on filters may be the most common, but if that's all you use, you've barely discovered the great variety of filter shapes and sizes that are available.

Which you use will vary depending on your needs and working habits.

Typically, round screw-on lenses for still photography are available in sizes from 30.5mm to 82mm; video filters can be as large as 122mm. Some Nikon and Canon Telephoto lenses use smaller filters that are

dropped into the rear of the lens, while Hasselblad lenses accept filters that have a bayonet-type mount (bayonet 50 lenses are designed for older model lenses, while bayonet 60 lenses will fit the newer models). But sometimes screw-on filters won't cut it for fast-working pros or anyone who uses the same filters on a variety of lenses - with a variety of filter size requirements.

Several filter holder systems are available, each with distinct advantages.

The main overall advantage is that filters can be easily slipped in and out of the holder, saving critical time when in the middle

of a shoot. The filters are primarily square or rectangular and are made of glass (less scratchable), resin (doesn't break), or flexible material (wide variety of filter types available, in more sizes).

The key to the Cokin Creative Filter System is its adapter ring, which attaches to the front of the lens and holds a square resin-coated filter. Two sizes are available: A, a 3x3 filter, designed primarily for 35mm lenses; and P, a 4x4 version that is especially well-suited for medium-format cameras.

Hitech filters are designed for professional photo and video use. The 4x4 resin filters are 1.5mm thick and fit most holders. A range of adapters makes them usable on 35mm to 8x10 cameras. Hitech filters have cut corners to avoid scratches and make handling easier. Lee features removable filter guides that let you decide which combination of filters - from gels to 4mm thick - would be most suitable for your needs. The holder rotates, allowing you to make the most of filter effects.

Lindahl offers Ultra Effects Filters, designed to fit in the rear slot of pro lens hoods. The filters are mounted in a square 3x3" holder which is easy to handle and remove, eliminating worries about fingerprints.

Kodak, Lee and Optiflex Flexible filters offer a wide variety of finely calibrated color compensating options - an essential ingredient when exposure, color temperature and balance are critical. Flexible filters offer the widest variety of filter types and can be used in all major filter holders.

Invest in some new filters and expand your vision!



*Kalt Drop-In Filter Holder*



Today, filters are an integral part of the multifaceted photographic process. They can alter light to create desired moods, give colors a new vibrancy, enhance contrast, balance light to film, and make visible that which is invisible to the eye. Special effect filters become creative tools which allow full expression of the photographer's imagination. Filters fulfill the diverse needs of the most demanding professional

photographers and meet the high standards of still-photography, video and precision technology. B&W filters use German Schott optical glass and brass mounting rings. B&W, a division of Schneider Optics, benefits the photographer and videographer with a half century of experience in the high quality filter manufacturing field.

B+W FILTERS AND CODES			
SIZE	CODE	SIZE	CODE
30.5mm	30.5	49mm	49
35.5mm	35.5	52mm	52
37mm	37	55mm	55
39mm	39	58mm	58
39mm Rear for Nikon	MC39N	60mm for Leica	60
40.5mm	40.5	62mm	62
43mm	43	67mm	67
46mm	46	72mm	72
48mm	48	77mm	77

B+W FILTERS AND CODES			
SIZE	CODE	SIZE	CODE
82mm	82	Bay 1 Rollei	B1
86mm	86	Bay 2 Rollei	B2
95mm	95	Bay 3 Rollei	B3
105mm	105	Bay 6 Rollei	B6
112mm	112	Series 5.5	S5.5
122mm	122	Series 7	S7
135mm	135	Series 8	S8
Bay 50 Hass	B50	Series 9	S9
Bay 60 Hass	B60	Pro Speed fits Lindhal	PS

### Sky and Ultraviolet (UV) Filters

The Sky and Haze filters are wise initial investments. They help to protect your valuable front lens from dust, moisture and scratches, with no light loss. If desired, they can be left on the lens at all times for protection. They also provide additional benefits of correction for Ultraviolet (UV) light, which can register on film and videotape as a bluish cast and can obscure distant details. Ultraviolet filters allow you to correct for the UV effect to varying degrees.

It is important to distinguish between atmospheric UV-haze and haze created by smog and pollution. Smog and pollution are comprised of opaque particles that absorb visible light, as well as UV light and will not be appreciably affected by a UV filter.

#### Skylight KR-1.5 (1A) Filter

A general use filter. It absorbs a significant amount of UV light to ensure sharper detail and is lightly tinted for better colors. Contrast is slightly increased.

Item #.....BWSL( )

#### UVa Haze 010 (2C) Filter

Can be used at all times. Improves color rendition and eliminates dullness caused by ultraviolet radiation. The filter reduces distant haze.

Item #.....BWUV( )

#### Strong UV 415 (2B) Filter

Absorbs ultraviolet light. Recommended in mountains or areas with clear air. Produces realistic gray tones when used with black and white film.

Item #.....BW415( )

#### Very Light Yellow 420 (2E) Filter

Absorbs ultraviolet light. Used when a very light yellow filter is desired. It is used for aerial photography with black and white films.

Item #.....BW420( )

*To order B+W filters, just insert filter diameter (FILTER SIZE in charts below) after the item number of filter desired.*

### PRICES FOR SKY AND ULTRAVIOLET (UV) FILTERS

FILTER SIZES:	30.5	35.5	37	39	39N	40.5	43	46	48	49	52	55	58	60	62	67	72	77
Skylight KR 1.5	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00	21.00	32.00	28.00	30.00	40.00	44.00
UV Haze 010	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00	21.00	32.00	28.00	30.00	40.00	44.00
Strong UV 415	33.00	-	44.00	44.00	65.00	37.00	36.00	34.00	34.00	31.00	35.00	38.00	43.00	68.00	50.00	61.00	85.00	95.00
Very Lt Yellow 420	33.00	-	44.00	44.00	65.00	37.00	36.00	34.00	34.00	31.00	35.00	38.00	43.00	68.00	50.00	61.00	85.00	95.00

FILTER SIZES:	82	86	95	105	112	122	B50	B60	B1	B2	B3	B6	S5.5	S7	S8	S9	PS
Skylight KR 1.5	58.00	72.00	101.00	116.00	133.00	147.00	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95
UV Haze 010	58.00	72.00	101.00	116.00	133.00	147.00	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95
Strong UV 415	114.00	112.00	166.00	182.00	211.00	232.00	71.00	110.00	44.00	52.00	58.00	230.00	30.00	37.00	57.00	94.00	-
Very Lt Yellow 420	114.00	112.00	166.00	182.00	211.00	232.00	71.00	110.00	44.00	52.00	58.00	230.00	30.00	37.00	57.00	94.00	-



## POLARIZER FILTERS

### Polarizer Filters

Polarizer filters are one of the most useful filters for creating beautiful photographic images. Polarizers let you deepen and intensify blue skies, achieve vibrant color saturation, reduce or eliminate glare and reflections from non-metallic objects and glass surfaces, and minimize haze in both color and black-and-white photography. The polarizers can be rotated to determine the amount of reflection to be removed. When photographing scenics, rotate the polarizer to change the blue sky densities from light to dark blue. Creates dramatic contrast between blue skies and white clouds.

There are two types of Polarizers - the standard linear polarizer and the circular polarizer. The linear polarizer is used with many cameras, while the circular polarizer is used on cameras with beam splitting metering systems commonly found on automatic SLR and autofocus

cameras. Check your camera manual for the metering system employed. A circular polarizer can be effectively used with all cameras. Standard linear polarizers are not effective on cameras with split beam metering.

You can, in all cases, see the effect through the filter. If you are not using an automatic camera or have your camera on manual setting, both filters require that you open up the lens from 1½ to 2 f-stops.

Polarizers can be combined with other filters to maximize special effects. By combining two or more linear polarizers, the light can be almost totally blocked. The effect can be up to 2 to 4 f-stops. Light absorption through this method is stepless and is a fusion of the position of the two polarizers in relation to each other. This effect is especially interesting for soft-dissolves in motion pictures and videography.

#### Top Polarizer (Linear)

Linear polarizers are used with most manual focus SLR and rangefinder cameras to increase color saturation and reduce reflections. The neutral gray color and plane parallel polarizer material guarantee optimal image results.

Item #.....BWP( )

#### Circular Polarizer

For use with auto-exposure and auto-focus SLR and video cameras. It does not influence the metering systems of these cameras.

Item #.....BWKCP( )

#### Kaesemann Linear Polarizer

Crafted from selected polarizer foils and specially prepared optical glass. This neutral polarizer is edge sealed and is, therefore, durable under extreme climactic conditions, such as humidity and heat. The use of this filter is recommended for the most stringent imaging requirements, especially with fast telephoto lenses and apochromatic lenses.

Item #.....BWKCP( )

#### Kaesemann Circular Polarizer

Same as above, but circular.

Item #.....BWKCP( )

#### Warm Tone Linear Polarizer

This unique filter combines the advantages of a polarizer and a skylight filter. It brings together the advantages of both filters in color photography, while producing impressive photographs with not only vibrant colors but also a very pleasing warm tonal quality.

Item #.....BWWP( )

#### Warm Tone Circular Polarizer

Same as above, but circular.

Item #.....BWWCP( )

*To order Polarizer filters, just insert filter diameter (FILTER SIZE in charts below) after the item number of filter desired.*

### PRICES FOR POLARIZER FILTERS

FILTER SIZE:	30.5	37	39	40.5	43	46	48	49	52	55	58
Top Polarizer	-	-	-	38.00	38.00	36.00	36.00	30.00	31.00	34.00	37.00
Circular Polarizer	63.00	76.00	58.00	76.00	71.00	66.00	60.00	56.00	58.00	65.00	66.00
Kaesemann Linear Polarizer	63.00	76.00	67.00	76.00	71.00	76.00	67.00	74.00	78.00	89.00	92.00
Kaesemann Circ Polarizer	-	-	77.00	85.00	80.00	86.00	85.00	88.00	91.00	101.00	104.00
Warm Tone Lin Polarizer	-	-	-	-	-	86.00	88.00	74.00	102.00	116.00	119.00
Warm Tone Circ Polarizer	-	-	-	-	-	97.00	101.00	93.00	127.00	128.00	138.00
FILTER SIZE:	60	62	67	72	77	82	86	95	105	112	122
Top Polarizer	-	42.00	47.00	57.00	62.00	91.00	106.00	135.00	150.00	-	-
Circular Polarizer	75.00	70.00	86.00	94.00	107.00	-	186.00	-	-	-	449.95
Kaesemann Linear Polarizer	102.00	96.00	114.00	126.00	142.00	164.00	174.00	197.00	222.00	392.00	514.00
Kaesemann Circ Polarizer	128.00	111.00	133.00	148.00	168.00	204.00	207.00	227.00	252.00	346.00	548.00
Warm Tone Lin Polarizer	128.00	126.00	141.00	154.00	182.00	204.00	207.00	224.00	252.00	-	-
Warm Tone Circ Polarizer	154.00	140.00	165.00	180.00	205.00	236.00	227.00	247.00	252.00	272.00	-
FILTER SIZE:	B50	B60	B1	B2	B3	B6	S5.5	S7	S8	S9	
Kaesemann Linear Polarizer	124.00	219.00	83.00	89.00	99.00	264.00	64.00	70.00	99.00	144.00	
Kaesemann Circ Polarizer	139.00	226.00	107.00	115.00	127.00	329.00	78.00	90.00	129.00	208.00	

## F I L T E R S   F O R   B L A C K   A N D   W H I T E

### Filters for Black and White Film

*The number enclosed in brackets [#] indicates the comparable Kodak Wratten filter number.*

**Light Yellow 021 [3]** Filter  
Accentuates warm, soft, delicate scenes through enhancement of yellow, orange and red. Recommended for sports photography and landscape work, especially when the sun is positioned low.  
**Item # .....BW021(    )**

**Medium Yellow 022 [8]**  
Creates subtle differences between green tones and enhances the natural rendition of the sky. Recommended for landscape and foliage. Gray values are faithfully reproduced.  
**Item # .....BW022(    )**

**Dark Yellow 023 [9]**  
Further increases the effects described above. Contrast increases, clouds appear more pronounced, haze is diminished and distance vision is improved.  
**Item # .....BW023(    )**

**Yellow-Orange 040 [16]**  
Adds 3-dimensional quality and contrast to landscape photography. On black and white prints it will render blues darker, while lightening yellows and reds.  
**Item # .....BW040(    )**

**Red Orange 041 [22]**  
Creates a strong darkening of the sky, dramatic thunder storm-like cloud reproduction and strongly enhanced shadows, due to its enhanced contrast. Also achieves good tonal differentiation in still-life photography by brightening yellow, orange and red.  
**Item # .....BW041(    )**

**Yellow Green 060 [11]**  
Ideal for scenes where it is important to differentiate the green tonal values. The application is especially suited to landscape photography in the springtime, because it enhances the light green color of the leaves. Due to its favorable effect on red tones, this filter is also suitable for portraits or group pictures taken in natural light.  
**Item # .....BW060(    )**

**Green 061 [13]**  
This dark green filter creates differentiation of green tones in late spring and summer. It is also recommended for floral pictures that are used graphically, for tonal separations in still-life photography and for the correction of red tones in portraits with high-speed film.  
**Item # .....BW061(    )**

**Light Blue 080**  
Recommended for the correction of artificial light with overtones of yellow-red, such as with older photo lamps or normal household bulb illumination. It is also used to darken skintones for portrait photography under natural light.  
**Item # .....BW080(    )**

**Medium Blue 081**  
The blue 081 enhances the tonal rendition of the sky by emphasizing mist in valleys and transmitting light rays over water, fog and haze. In addition, this filter is used for the tonal separation in still-life photography and the correction of the light spectrum from artificial light sources.  
**Item # .....BW081(    )**

**Light Red 090 [025]**  
Ideal for enhancing contrast. In landscape and architectural photography it enhances white areas - for example, letting clouds stand out clearly against a darkened sky and drastically reducing distant haze. It is also used for tonal separation in still-life photography.  
**Item # .....BW090(    )**

**Dark Red 091 [29]**  
The use of this filter gives a surrealistic effect in landscape and architectural photography by producing a "storm-like" cloud effect, "moonlight" effect and "wood" effect. It is indispensable for tonal separation in still-life photography and for the reproduction of documents which have become illegible.  
**Item # .....BW091(    )**

### SPECIFICATIONS

MANUAL ADJUSTMENT INCREASE F-STOP	MANUAL ADJUSTMENT INCREASE F-STOP	MANUAL ADJUSTMENT INCREASE F-STOP
Light Yellow 021      ½	Red Orange 041      2	Medium Blue 081      1
Medium Yellow 022      1	Yellow Green 060      1	Light Red 090      2½
Dark Yellow 023      1½	Green 061      1½	Dark Red 091      3
Yellow Orange 040      2	Light Blue 080      ½	

*To order Filters for B&W Film, just insert filter diameter (FILTER SIZE in charts on next page) after the item number of filter desired.*



*Different colored filters will change how hues in the photo are rendered on black and white film. Note how the letters, which were all different colors, change radically when shot through different filters. From left: B+W Green 061 (13) filter, Medium Yellow 022 (8), light red 090 (24).*

## F I L T E R S F O R B L A C K A N D W H I T E

### Filters for Black and White Film, continued

#### FILTERS FOR BLACK AND WHITE FILM

FILTER SIZE:	30.5	35.5	37	39	39N	40.5	43	46	48	49	52	55
Light Yellow 021	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00
Medium Yellow 022	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00
Dark Yellow 023	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00
Yellow Orange 040	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00
Red Orange 041	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00
Yellow Green 060	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00
Green 061	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00
Light Blue 080	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00
Medium Blue 081	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00
Light Red 090	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00
Dark Red 091	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00

FILTER SIZE:	58	60	62	67	72	77	82	86	95	105	112	122
Light Yellow 021	21.00	32.00	28.00	30.00	40.00	44.00	58.00	72.00	266.00	116.00	133.00	147.00
Medium Yellow 022	21.00	32.00	28.00	30.00	40.00	44.00	58.00	72.00	266.00	116.00	133.00	147.00
Dark Yellow 023	21.00	32.00	28.00	30.00	40.00	44.00	58.00	72.00	266.00	116.00	133.00	147.00
Yellow Orange 040	21.00	32.00	28.00	30.00	40.00	44.00	58.00	72.00	266.00	116.00	133.00	147.00
Red Orange 041	21.00	32.00	28.00	30.00	40.00	44.00	58.00	72.00	266.00	116.00	133.00	147.00
Yellow Green 060	21.00	32.00	28.00	30.00	40.00	44.00	58.00	72.00	266.00	116.00	133.00	147.00
Green 061	21.00	32.00	28.00	30.00	40.00	44.00	58.00	72.00	266.00	116.00	133.00	147.00
Light Blue 080	21.00	32.00	28.00	30.00	40.00	44.00	58.00	72.00	266.00	116.00	133.00	147.00
Medium Blue 081	21.00	32.00	28.00	30.00	40.00	44.00	58.00	72.00	266.00	116.00	133.00	147.00
Light Red 090	21.00	32.00	28.00	30.00	40.00	44.00	58.00	72.00	266.00	116.00	133.00	147.00
Dark Red 091	21.00	32.00	28.00	30.00	40.00	44.00	58.00	72.00	266.00	116.00	133.00	147.00

FILTER SIZE:	B50	B60	B1	B2	B3	B6	S5.5	S7	S8	S9	PS
Light Yellow 021	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95
Medium Yellow 022	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95
Dark Yellow 023	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95
Yellow Orange 040	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95
Red Orange 041	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95
Yellow Green 060	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95
Green 061	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95
Light Blue 080	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95
Medium Blue 081	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95
Light Red 090	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95
Dark Red 091	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95

## F I L T E R S F O R C O L O R

Color conversion filters balance the spectral composition of the photographic light source to the temperature balance of photographic films. This color temperature is expressed in degrees Kelvin ("K"). High color temperature light becomes blue, while low tends to have a reddish tone. Depending upon the degree of necessary color temperature conversion, reddish to brown or blue-toned, color conversion filters in varying density are required to absorb the predominant color tones of the light.

### Warming Filters

#### SPECIFICATIONS FOR WARMING FILTERS

FILTER	COLOR TEMP CORRECTED FROM → TO	MANUAL ADJ INCREASE F-STOP
81A	3400 K → 3200 K	½
81B	3500 K → 3200 K	½
KR3	3600 K → 3200 K	½
KR6	3900 K → 3200 K	½
KR12	5500 K → 3400 K	¾
KR15	5500 K → 3200 K	¾

#### 81A

This filter balances daylight film for electronic flash. A noticeable warmer color reproduction is produced, which is important for special work, such as art reproductions where true color reproduction is required. Sizes 86-S9 are compound cemented.

Item #.....BW81A( )

#### 81B

Slightly stronger than 81A, it makes a stronger color temperature balance possible from artificial light sources - to 3500°, which results in a slightly warmer color reproduction. Sizes 86-S9 are compound cemented.

Item #.....BW81B( )

#### KR3 [81C]

This filter is strongly recommended for daylight photographs, especially in spring and summer with cloudless skies and clear air. It helps eliminate the strong blue tone and haziness which is produced by this level of ultraviolet light. Furthermore, it will reduce the unwanted blue tone in shadow areas with an overcast sky.

Item #.....BWKR3( )

#### KR6 [81EF]

Daylight with a high percentage of blue (midday in the mountains during the summer) is neutralized by the KR6 in color photos where an extreme blue tone is to be expected. Not only does it block ultraviolet light and reduce blue tones in the shade, but it also penetrates light fog.

Item #.....BWKR6( )



#### KR12 [85]

When using the brown-toned KR12 with tungsten-balanced color film, one can photograph in daylight or with flash illumination. This eliminates the strong overall bluish cast.

Item #.....BWKR12( )

#### KR15 [85B]

Although the KR15 is used for the same photographic situation as the KR12, this dark brown filter is the better choice when photographing very bluish cast in midday summer.

Item #.....BWKR15( )

### Cooling Filters

#### SPECIFICATIONS FOR COOLING FILTERS

FILTER	COLOR TEMP CORRECTED FROM → TO	MANUAL ADJ INCREASE F-STOP
KB1.5	3000 K → 3200 K	½
KB3	2800 K → 3200 K	½
KB6	4100 K → 5500 K	½
KB12	3400 K → 5500 K	1½
KB15	3200 K → 5500 K	2
KB20	2600 K → 5500 K	3

#### KB1.5 [82A]

This light blue filter absorbs the excess yellow-red light from daylight in the morning and evening hours. It creates cooler colors and corrects for the warming tendency of some color films. It can also be used as a color balancing filter.

Item #.....BWKB1.5( )

#### KB3 [82C]

Corrects the frequent tendency toward reddish tones when using 500ws flood lights with tungsten film. The KB3 is also necessary when using older nitrate photo lamps.

Item #.....BWKB3( )

#### KB6 [80D]

This medium blue filter reduces the strong reds of sunrise and sunset. It is used for the optical reduction of extreme yellow, orange and red elements of scenes.

Item #.....BWKB6( )

#### KB12 [80B]

This dark blue filter acts as a color conversion filter by converting artificial light 3400° K to daylight color film. Without the use of this filter, strong yellow-orange color tones would occur.

Item #.....BWKB12( )

#### KB15 [80A]

The KB15 filter allows the photographer to use daylight film in artificial light with a color temperature of about 3000° K without the color overtones. Sizes 86-S9 are compound cemented.

Item #.....BWKB15( )

#### KB20

Depending on the percentage of red, conventional household bulbs require color temperature conversion whenever daylight color film is being used indoors.

Item #.....BWKB20( )



To order Warming and Cooling filters, just insert filter diameter (FILTER SIZE in charts on next page) after the item number of filter desired.

## F I L T E R S F O R C O L O R

### Warming and Cooling Filters, continued

#### SPECIFICATIONS FOR WARMING AND COOLING FILTERS

FILTER SIZE:	30.5	35.5	37	39	39N	40.5	43	46	48	49	52	55
81A Warm	-	24.00	-	44.00	84.00	57.00	69.00	34.00	34.00	16.00	19.00	19.00
81B Warm	-	24.00	-	44.00	84.00	57.00	69.00	34.00	34.00	16.00	19.00	19.00
KR3 Warm	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00
KR6 Warm	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00
KR12 Warm	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00
KR15 Warm	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00
KB1.5 Cool	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00
KB3 Cool	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00
KB6 Cool	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00
KB12 Cool	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00
KB15 Cool	24.00	24.00	-	44.00	84.00	57.00	69.00	34.00	34.00	16.00	19.00	19.00
KB20 Cool	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00

FILTER SIZE:	58	60	62	67	72	77	82	86	95	105	112
81A Warm	21.00	68.00	28.00	30.00	40.00	44.00	163.00	202.00	266.00	293.00	-
81B Warm	21.00	68.00	28.00	30.00	40.00	44.00	163.00	202.00	266.00	293.00	-
KR3 Warm	21.00	32.00	28.00	30.00	40.00	44.00	58.00	72.00	266.00	116.00	133.00
KR6 Warm	21.00	32.00	28.00	30.00	40.00	44.00	58.00	72.00	266.00	116.00	133.00
KR12 Warm	21.00	32.00	28.00	30.00	40.00	44.00	58.00	72.00	266.00	116.00	133.00
KR15 Warm	21.00	32.00	28.00	30.00	40.00	44.00	58.00	72.00	266.00	116.00	133.00
KB1.5 Cool	21.00	32.00	28.00	30.00	40.00	44.00	58.00	72.00	266.00	116.00	133.00
KB3 Cool	21.00	32.00	28.00	30.00	40.00	44.00	58.00	72.00	266.00	116.00	133.00
KB6 Cool	21.00	32.00	28.00	30.00	40.00	44.00	58.00	72.00	266.00	116.00	133.00
KB12 Cool	21.00	32.00	28.00	30.00	40.00	44.00	58.00	72.00	266.00	116.00	133.00
KB15 Cool	21.00	68.00	28.00	30.00	40.00	44.00	163.00	72.00	266.00	-	133.00
KB20 Cool	21.00	32.00	28.00	30.00	40.00	44.00	58.00	72.00	266.00	116.00	133.00

FILTER SIZE:	122	B50	B60	B1	B2	B3	B6	S5.5	S7	S8	S9	PS
81A Warm	-	131.00	90.00	32.00	36.00	40.00	142.00	48.00	53.00	81.00	146.00	79.95
81B Warm	-	131.00	90.00	32.00	36.00	40.00	142.00	48.00	53.00	81.00	146.00	79.95
KR3 Warm	147.00	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95
KR6 Warm	147.00	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95
KR12 Warm	147.00	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95
KR15 Warm	147.00	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95
KB1.5 Cool	147.00	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95
KB3 Cool	147.00	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95
KB6 Cool	147.00	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	-	79.95
KB12 Cool	147.00	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95
KB15 Cool	147.00	51.00	77.00	-	-	-	-	23.00	-	-	-	79.95
KB20 Cool	147.00	51.00	77.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95



## COLOR CORRECTION AND SLIM FILTERS

### Color Correction Filters

Color Correction filters are used for the correction of color balances in color films. They consist of original Kodak foils laminated and cemented between high quality optical glass. The edges are sealed, keeping humidity out, which prevents the filters from changing their color characteristics.

Order Number	Filter Color	Suppresses Color	Exposure Increase in F-Stop	Item Number
CC 05-B	Light Blue	Yellow	1/3	BWCC05B
CC 10-B	Light Blue	Yellow	1/3	BWCC10B
CC 20-B	Blue	Yellow	2/3	BWCC20B
CC 40-B	Dark Blue	Yellow	1	BWCC40B
CC 05-Y	Yellow	Blue/Violet	-	BWCC05Y
CC 10-Y	Yellow	Blue/Violet	1/3	BWCC10Y
CC 20-Y	Yellow	Blue/Violet	1/3	BWCC20Y
CC 40-Y	Yellow	Blue/Violet	1/3	BWCC40Y
CC 05-C	Blue-Green	Red	1/3	BWCC05C
CC 10-C	Blue-Green	Red	1/3	BWCC10C
CC 20-C	Blue-Green	Red	1/3	BWCC20C
CC 40-C	Blue-Green	Red	2/3	BWCC40C

Order Number	Filter Color	Suppresses Color	Exposure Increase in F-Stop	Item Number
CC 05-R	Light Red	Blue-Green	1/3	BWCC05R
CC 10-R	Light Red	Blue-Green	1/3	BWCC10R
CC 20-R	Red	Blue-Green	1/3	BWCC20R
CC 40-R	Dark Red	Blue-Green	2/3	BWCC40R
CC 05-G	Green	Purple	1/3	BWCC05G
CC 10-G	Green	Purple	1/3	BWCC10G
CC 20-G	Green	Purple	1/3	BWCC20G
CC 40-G	Green	Purple	2/3	BWCC40G
CC 05-M	Purple (Magenta)	Green	1/3	BWCC05P
CC 10-M	Purple (Magenta)	Green	1/3	BWCC10P
CC 20-M	Purple (Magenta)	Green	1/3	BWCC20P
CC 40-M	Purple (Magenta)	Green	2/3	BWCC40P

**To order Color Correction or Fluorescent filters, just insert filter diameter (FILTER SIZE in charts below) after the item number of filter desired.**

### PRICES FOR COLOR CORRECTION FILTERS

FILTER SIZE:	39	40.5	43	46	48	49	52	55	58	60	62	67	72	77	82
Blue: CC05B, 10B, 20B, 40B	57.00	63.00	69.95	70.00	71.00	79.00	83.00	98.00	102.00	97.00	102.00	102.00	129.00	136.00	186.00
Yellow: CC05Y, 10Y, 20Y, 40Y	57.00	63.00	69.00	70.00	71.00	79.00	83.00	98.00	102.00	97.00	102.00	102.00	129.00	136.00	186.00
Cyan: CC05C, 10C, 20C, 40C	57.00	63.00	69.00	70.00	71.00	79.00	83.00	98.00	102.00	97.00	102.00	102.00	129.00	136.00	186.00
Red: CC05R, 10R, 20R, 40R	57.00	63.00	69.00	70.00	71.00	79.00	83.00	98.00	102.00	97.00	102.00	102.00	129.00	136.00	186.00
Green: CC05G, 10G, 20G, 40G	57.00	63.00	69.00	70.00	71.00	79.00	83.00	98.00	102.00	97.00	102.00	102.00	129.00	136.00	186.00
Magenta: CC05M, 10M, 20M, 40M	57.00	63.00	69.00	70.00	71.00	79.00	83.00	98.00	102.00	97.00	102.00	102.00	129.00	136.00	186.00
FILTER SIZE:	86	95	105	112	122	B50	B60	B2	B3	B6	S5.5	S7	S8	S9	
Blue: CC05B, 10B, 20B, 40B	168.00	249.00	274.00	315.00	352.00	131.00	186.00	52.00	58.00	230.00	41.00	51.00	79.00	137.00	
Yellow: CC05Y, 10Y, 20Y, 40Y	168.00	249.00	274.00	315.00	352.00	131.00	186.00	52.00	58.00	230.00	41.00	51.00	79.00	137.00	
Cyan: CC05C, 10C, 20C, 40C	168.00	249.00	274.00	315.00	352.00	131.00	186.00	52.00	58.00	230.00	41.00	51.00	79.00	137.00	
Red: CC05R, 10R, 20R, 40R	168.00	249.00	274.00	315.00	352.00	131.00	186.00	52.00	58.00	230.00	41.00	51.00	79.00	137.00	
Green: CC05G, 10G, 20G, 40G	168.00	249.00	274.00	315.00	352.00	131.00	186.00	52.00	58.00	230.00	41.00	51.00	79.00	137.00	
Magenta: CC05M,10M, 20M, 40M	168.00	249.00	274.00	315.00	352.00	131.00	186.00	52.00	58.00	230.00	41.00	51.00	79.00	137.00	

### Slim Filters for Extra-Wide Angle Lenses

A super slim mount for wide angle and zoom lenses that have over 70° angle of acceptance. These filters ultra thin, will not cause

any vignetting and they don't have any front threads to mount on additional accessories.

**To order Slim filters, just insert filter diameter (FILTER SIZE in charts below) after the item number of filter desired.**

### PRICES FOR SLIM FILTERS

FILTER SIZES:	ITEM #	49	52	55	58	62	67	72	77	82	86	95	105	110	127	135
UV Haze 010	BWUV( )S	48.00	48.00	54.00	68.00	74.00	76.00	88.00	89.00	96.00	105.00	123.00	152.00	165.00	201.00	297.00
UV Haze 010 Multi-Coated	BWUVMC( )S	55.00	57.00	74.00	84.00	96.00	101.00	117.00	120.00	144.00	151.00	172.00	205.00	-	-	-
Skylight KR1.5	BSWL( )S	48.00	48.00	54.00	68.00	74.00	76.00	88.00	89.00	96.00	105.00	123.00	152.00	165.00	201.00	297.00
Skylight KR1.5 Multi-Coated	BWSLMC( )S	55.00	57.00	74.00	84.00	96.00	101.00	117.00	120.00	144.00	151.00	172.00	205.00	-	-	-
Circular Polarizer	BWCP( )S	58.00	63.00	68.00	76.00	89.00	99.00	113.00	121.00	123.00	-	-	-	-	-	-
Circular Polarizer Multi Coated	BWCPMC( )S	78.00	83.00	91.00	101.00	113.00	137.00	168.00	181.00	-	-	-	-	-	-	-

## NEUTRAL DENSITY FILTERS

### Neutral Density Filters

Neutral Density filters are used to cut down the amount of light. They block the entire visible spectrum evenly and allow light reduction without influencing color rendition or contrast.

#### 101 (ND0.3)

This lightly tinted filter reduces light transmission when there is too much light while using high-speed film.

Item #.....**BW101**( )

#### 102 (ND0.6)

Makes possible the use of relatively longer shutter speeds, while retaining a wide aperture, even in bright illumination. This allows for the emphasis of the subject by controlling depth of field, or creating motion effect with subject blur.

Item #.....**BW102**( )

#### 103 (ND0.9)

This filter is denser than the 102 and more light absorbing. It is suited for video, especially when a small enough lens opening is not available. In addition, a specific depth of field limit can be obtained.

Item #.....**BW103**( )

#### 106 (ND1.8)

This filter is especially useful when making extremely long exposures (several minutes). It is also suited for video.

Item #.....**BW106**( )

#### 110 (ND3.0)

Useful for the observation and documentation of industrial processes at high temperatures and light levels. This type of filter prevents strong flare and brings out interesting details.

Item #.....**BW110**( )

#### 113 (ND4.0)

This filter belongs in the realm of industrial processes and solar and lunar astrophotography. Due to its high density, it allows for the long exposures which are necessary.

Item #.....**BW113**( )

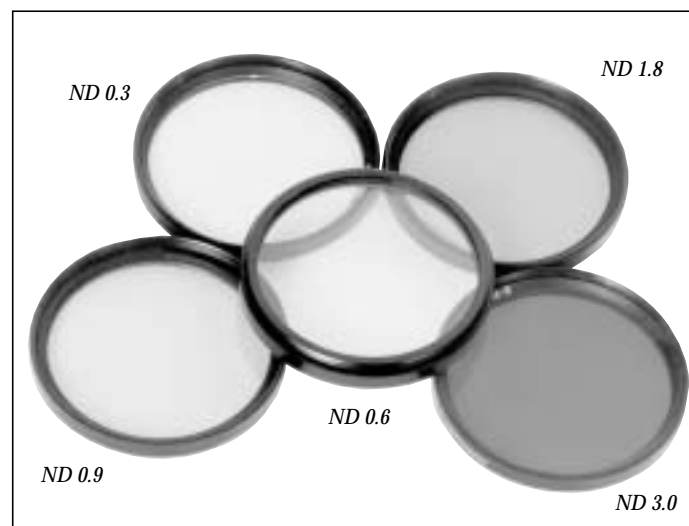
#### 120 (ND6.0)

For observation and photography of the sun. (Direct observation of the sun through any filter should be avoided, since long wavelength infrared radiation is not blocked.)

Item #.....**BW120**( )

### ND FILTER SPECIFICATIONS

NEUTRAL DENSITY FILTER #	FILTER FACTOR	F-STOP REDUCTION	DENSITY (ND)
101	2	1	0.3
102	4	2	0.6
103	8	3	0.9
106	64	6	1.8
110	1000	10	3.0
113	10,000	13	4.0
120	1000,000	20	6.0



To order Neutral Density filters, just insert filter diameter (FILTER SIZE in charts below) after the item number of filter desired.

### PRICES FOR NEUTRAL DENSITY FILTERS

FILTER SIZES:	30.5	35.5	37	39	39N	40.5	43	46	48	49	52	55	58	60	62	67	72	77
ND 101 (0.3)	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00	21.00	32.00	28.00	30.00	40.00	44.00
ND 102 (0.6)	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00	21.00	32.00	28.00	30.00	40.00	44.00
ND 103 (0.9)	19.00	24.00	24.00	23.00	51.00	21.00	21.00	20.00	20.00	16.00	19.00	19.00	21.00	32.00	28.00	30.00	40.00	44.00
ND 106 (1.8)	33.00	-	44.00	44.00	63.00	37.00	36.00	34.00	34.00	31.00	35.00	42.00	43.00	68.00	50.00	61.00	85.00	95.00
ND 110 (3.0)	33.00	-	44.00	44.00	63.00	37.00	36.00	34.00	34.00	31.00	35.00	42.00	43.00	68.00	50.00	61.00	85.00	95.00
ND 113 (4.0)	33.00	-	44.00	44.00	63.00	37.00	36.00	34.00	34.00	31.00	35.00	42.00	43.00	68.00	50.00	61.00	85.00	95.00
ND 120 (6.0)	33.00	-	44.00	44.00	63.00	37.00	36.00	34.00	34.00	31.00	35.00	42.00	43.00	68.00	50.00	61.00	85.00	95.00
FILTER SIZES:	82	86	95	105	112	122	B50	B60	B1	B2	B3	B6	S5.5	S7	S8	S9	PS	
ND 101 (0.3)	58.00	72.00	101.00	116.00	133.00	147.00	51.00	78.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95	
ND 102 (0.6)	58.00	72.00	101.00	116.00	133.00	147.00	51.00	78.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95	
ND 103 (0.9)	58.00	72.00	101.00	116.00	133.00	147.00	51.00	78.00	32.00	36.00	40.00	142.00	23.00	25.00	36.00	62.00	79.95	
ND 106 (1.8)	114.00	112.00	166.00	182.00	211.00	232.00	67.00	99.00	44.00	52.00	58.00	230.00	30.00	37.00	57.00	94.00	149.95	
ND 110 (3.0)	114.00	112.00	166.00	182.00	211.00	232.00	67.00	99.00	44.00	52.00	58.00	230.00	30.00	37.00	57.00	94.00	149.95	
ND 113 (4.0)	114.00	112.00	166.00	182.00	211.00	232.00	67.00	99.00	44.00	52.00	58.00	230.00	30.00	37.00	57.00	94.00	149.95	
ND 120 (6.0)	114.00	112.00	166.00	182.00	211.00	232.00	67.00	99.00	44.00	52.00	58.00	230.00	30.00	37.00	57.00	94.00	149.95	

## GRADUATED FILTERS

### Color Graduated Filters

Manufactured from high Quality CR-39 acrylic, these filters are color toned in one half of the filter which is smoothly graduated into the clear portion. Colored and clear filter portions can be brought into the desired position by rotating the mount. They can also be combined with other filters or other color graduated filters. Two color graduated filters rotated by 180° to each other allow a picture composition of colors to fade into each other.

#### Graduated 501 Neutral Density 2x (Grad ND 0.3)

The neutral gray coloring of one half of the filter has a transmission level of 50%. It is used to reproduce a part of the scene one f-stop darker than the rest.

Item #.....BW501( )

#### Graduated 502 Neutral Density 4x (Grad ND 0.6)

This filter has a reduction of 2 f-stops due to its 25% transmission factor.

Item #.....BW502( )

#### Color Graduated 590 Red Simulated sunset atmospheres can be created.

Item #.....BWGR( )

#### Color Graduated 524 Orange

The orange coloring of the graduation allows, for example, a sunset atmosphere to appear softer and less evident than with a red graduation.

Item #.....BWGO( )

#### Color Graduated 543 Violet Violet coloring of one half of the filter.

Item #.....BWGV( )

#### Color Graduated 550 Tabac

Brownish tobacco like coloring of one half.

Item #.....BWGTO( )

#### Color Graduated 560 Yellow Green

Yellow Green like coloring of one half.

Item #.....BWGYG( )



Shot without any filter

#### Color Graduated 561 Green Green coloring of one half.

Item #.....BWGGR( )

#### Color Graduated 581 Blue Blue coloring of one half.

Item #.....BWGBL( )

#### Color Graduated 585 Lilac Lilac like coloring of one half.

Item #.....BWGL( )



Shot with a 502 Neutral Density 4x

**To order Color Graduated filters, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.**

### PRICES FOR COLOR GRADUATED FILTERS

FILTER SIZE:	39	46	48	49	52	55	58	60	62	67
Graduated 501 Neutral Density	48.00	56.00	48.00	41.00	42.00	43.00	44.00	53.00	47.00	54.00
Graduated 502 Neutral Density	48.00	56.00	48.00	41.00	42.00	43.00	44.00	53.00	47.00	54.00
Color Graduated 590 Red	-	56.00	48.00	41.00	42.00	43.00	44.00	53.00	47.00	54.00
Color Graduated 524 Orange	-	56.00	48.00	41.00	42.00	43.00	44.00	53.00	47.00	54.00
Color Graduated 543 Violet	-	56.00	48.00	41.00	42.00	43.00	44.00	53.00	47.00	54.00
Color Graduated 550 Tabac	-	56.00	48.00	41.00	42.00	43.00	44.00	53.00	47.00	54.00
Color Graduated 560 Yellow Green	-	56.00	48.00	41.00	42.00	43.00	44.00	53.00	47.00	54.00
Color Graduated 561 Green	-	56.00	48.00	41.00	42.00	43.00	44.00	53.00	47.00	54.00
Color Graduated 581 Blue	-	56.00	48.00	41.00	42.00	43.00	44.00	53.00	47.00	54.00
Color Graduated 585 Lilac	-	56.00	48.00	41.00	42.00	43.00	44.00	53.00	47.00	54.00
FILTER SIZE:	72	77	82	86	95	105	B50	B60	B6	PS
Graduated 501 Neutral Density	62.00	76.00	96.00	130.00	173.00	211.00	76.00	100.00	205.00	99.95
Graduated 502 Neutral Density	62.00	76.00	96.00	130.00	173.00	211.00	76.00	100.00	205.00	99.95
Color Graduated 590 Red	62.00	76.00	96.00	130.00	173.00	211.00	76.00	100.00	205.00	99.95
Color Graduated 524 Orange	62.00	76.00	96.00	130.00	173.00	211.00	76.00	100.00	205.00	99.95
Color Graduated 543 Violet	62.00	76.00	96.00	130.00	173.00	211.00	76.00	100.00	205.00	99.95
Color Graduated 550 Tabac	62.00	76.00	96.00	130.00	173.00	211.00	76.00	100.00	205.00	99.95
Color Graduated 560 Yellow Green	62.00	76.00	96.00	130.00	173.00	211.00	76.00	100.00	205.00	99.95
Color Graduated 561 Green	62.00	76.00	96.00	130.00	173.00	211.00	76.00	100.00	205.00	99.95
Color Graduated 581 Blue	62.00	76.00	96.00	130.00	173.00	211.00	76.00	100.00	205.00	99.95
Color Graduated 585 Lilac	62.00	76.00	96.00	130.00	173.00	211.00	76.00	100.00	205.00	99.95

**All items are complete with all accessories as supplied by the manufacturer**

## STAR EFFECT AND FLUORESCENT FILTERS

### Star Effects Filters

Made of high-quality optical glass with a fine grid pattern etched on the surface. Depending on the pattern and size of the grid, point light sources and reflections create multi-beam stars. One of the most creative accessories that allows you to add dazzling effects. Bright star line effects, which generate excitement and can enhance mood and glamour in a wide range of images, are created from either original light sources or bright reflections. The Star Effect Filters are used most commonly to add sparkle to water scenes, candle flames and stadium spotlights.



Shot with a 4x Cross Screen (Star 4)



Shot with a Double Sunny (Star 16)

#### 4x Cross Screen (Star 4)

Designed to create a 4-point star from a point light source or reflection. Rotatable mount allows the photographer or videographer the freedom to decide the orientation of the star effect.

Item #.....BWCS4( )

#### 6x Cross Screen (Star 6)

The grids of this filter are designed to create a 6-point star from a point light source or reflection. Rotatable mount.

Item #.....BWCS6( )

#### 8x Cross Screen (Star 8)

The grids of this filter are designed to create an 8-point star from a point light source or reflection. Rotatable mount.

Item #.....BWCS8( )

#### Double Sunny (Star 16)

A dense star shaped grid pattern creates an extremely fine, yet intense, 16-point star effect from each point light source or reflection. Strong light sources create an effect similar to a floodlight.

Item #.....BWDS( )

*To order Star filters, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.*

### PRICES FOR STAR FILTERS

FILTER SIZE:	39	40.5	43	46	48	49	52	55	58	60	62	67	72	77
4x Cross (Star 4)	37.00	37.00	37.00	34.00	35.00	32.00	30.00	34.00	37.00	44.00	41.00	43.00	50.00	56.00
6x Cross (Star 6)	37.00	37.00	37.00	34.00	35.00	32.00	30.00	34.00	37.00	44.00	41.00	43.00	50.00	56.00
8x Cross (Star 8)	37.00	37.00	37.00	34.00	35.00	32.00	32.00	34.00	37.00	44.00	41.00	43.00	50.00	56.00
Double Sunny (Star 16)	-	-	-	-	-	36.00	38.00	39.00	42.00	42.00	42.00	53.00	58.00	66.00

FILTER SIZE:	82	86	95	105	B50	B60	B1	B2	B3	B6	S5.5	S7	S8	S9	PS
4x Cross (Star 4)	89.00	128.00	213.00	229.00	95.00	126.00	40.00	42.00	42.00	205.00	29.00	25.00	26.00	94.00	89.95
6x Cross (Star 6)	89.00	128.00	213.00	229.00	95.00	126.00	40.00	42.00	42.00	205.00	29.00	25.00	26.00	94.00	89.95
8x Cross (Star 8)	89.00	128.00	213.00	229.00	95.00	126.00	40.00	42.00	42.00	205.00	29.00	25.00	26.00	94.00	89.95
Double Sunny (Star 16)	-	-	-	-	100.00	163.00	-	-	-	149.00	-	-	-	-	-

### Fluorescent Filters

#### B+W 499 F-Day (FLD)

This light violet filter eliminates the unpleasant blue-green color tint produced by daylight films, illuminated by fluorescent tubes. For manual adjustment, increase f-stop 1 stop.

Item #.....BWFLD( )

### PRICES FOR FLUORESCENT FILTERS

FILTER SIZE:	30.5	39	39N	40.5	43	46	48	49	52	55	58	60	62	67
Fluorescent (FLD)	33.00	34.00	-	37.00	36.00	29.00	32.00	27.00	33.00	35.00	37.00	60.00	42.00	49.00

FILTER SIZE:	72	77	82	86	95	105	B50	B60	B6	S5.5	S7	S8	S9	PS
Fluorescent (FLD)	72.00	82.00	101.00	112.00	166.00	179.00	67.00	101.00	195.00	30.00	31.00	44.00	94.00	102.50

### Spectra Effects Filters

B+W Spectra filters have a fine structure of up to 30 million micro-prisms. This not only creates a star effect, but also multi-colored rays from lights and reflections. The various types of spectra star filters

vary in detail, but they are all rotatable. The extensive choice of Spectra filters offer tremendous creative potential for photographers and videographers.

#### Spectra 2x

Each light source or reflection in the image area will be reproduced as a multi-colored star effect. The orientation of the rays can be selected by turning the rotating mount.

Item #.....BWS2( )

#### Spectra 4x

This filter creates four multi-colored light rays from each point light source. The orientation of the ray pattern can be selected by turning the rotating mount.

Item #.....BWS4( )

#### Spectra 8x

This produces eight colorful light rays whose orientation can be selected by turning the rotating mount.

Item #.....BWS8( )

#### Spectra Spot

A circular clear spot leaves the object unchanged and surrounds it with a colorful play of colors.

Item #.....BWSS( )Q

#### Axicon Spectra 72x

This attachment creates 72 multi-colored light rays surrounding the light source.

Item #.....BWS72( )

#### Orbit Spectra 48x

The effect of this attachment is to create a circular pattern of multi-colored light rays surrounding the light source.

Item #.....BWOS48( )

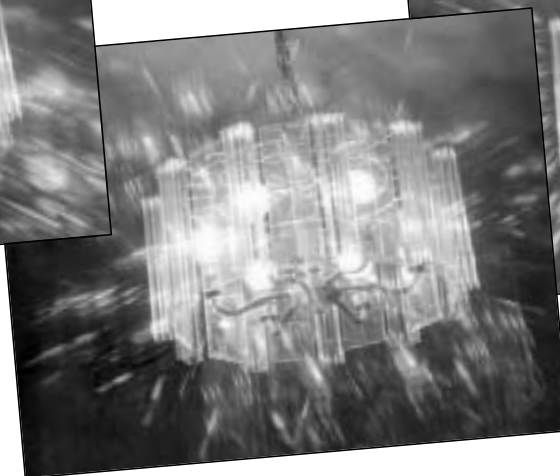
#### Spectra Quadro

Surrounds each light source with a special pattern in a rectangular shape. It gives a multi-colored frame to your picture.

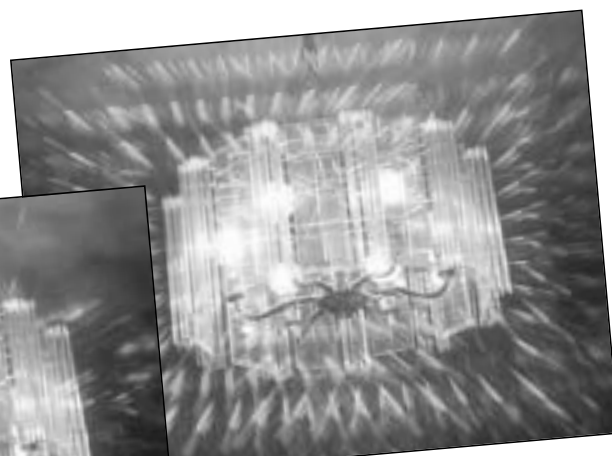
Item #.....BWSQ( )



Shot with a B+W Spectra 2 Filter



Shot with a B+W Spectra 8x Filter



Shot with a B+W Spectra Quadro Filter

To order Spectra filters, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.

### PRICES FOR SPECTRA FILTERS

FILTER SIZE:	49	52	55	58	60	62	67	72	77	B50	B60	B1	B2	B3	B6	S7	S8	PS
Spectra 2x	39.00	39.00	43.00	45.00	50.00	48.00	53.00	59.00	64.00	72.00	100.00	47.00	48.00	51.00	199.00	34.00	44.00	-
Spectra 4x	39.00	39.00	43.00	45.00	50.00	48.00	53.00	59.00	64.00	72.00	100.00	47.00	48.00	51.00	199.00	34.00	44.00	-
Spectra 8x	39.00	39.00	43.00	45.00	50.00	48.00	53.00	59.00	64.00	72.00	100.00	47.00	48.00	51.00	199.00	34.00	44.00	-
Orbit Spectra 48x	39.00	39.00	43.00	45.00	50.00	48.00	53.00	59.00	64.00	72.00	100.00	47.00	48.00	51.00	199.00	34.00	44.00	-
Axicon Spectra 72x	44.00	45.00	47.00	51.00	57.00	53.00	58.00	66.00	74.00	-	-	-	-	-	199.00	39.00	50.00	-
Spectra Spot	39.00	39.00	43.00	45.00	50.00	48.00	53.00	59.00	64.00	72.00	100.00	-	-	-	-	-	-	75.00
Spectra Quadro	39.00	39.00	43.00	45.00	50.00	48.00	53.00	59.00	64.00	72.00	100.00	47.00	48.00	51.00	199.00	34.00	44.00	-



## F I L T E R S F O R S P E C I A L E F F E C T S

## Soft Focus Filters and Fog Effect Filters

Soft Focus and Fog filters are popular lens attachments that are used for a wide variety of applications, such as lowering contrast, creating halo effects around highlights, creating a mist effect, and blurring outer or inner images. They are very useful for still-life and roman-

tic portrait photography, and they can produce a surrealistic atmosphere for everyday subjects, too. Partial soft focus filters *with a clear center* can help concentrate the attention of the viewer to a specific picture subject.

**Soft Focus 1 (WZ-1)**

Reduces contrast and creates a soft halo around highlights. Creates a hint of softness or blurred contours. Enhanced by opening up, or reduced by closing down the aperture.

Item #.....**BWSF1**( )

**Soft Focus 2 (WZ-2)**

Same as above, with more reduced contrast.

Item #.....**BWSF2**( )

**Soft Image**

Slightly more pronounced softening effect than the Soft Focus 2. Great for backlit pictures, because the halo effect is further enhanced, yet shadow areas remain sharply defined. Image effect does not change with the lens opening being used.

Item #.....**BWSI**( )

**Zeiss Softlar 1**

Made of tiny lens-shaped structures in the glass. While softening the highlights, the basic focus remains sharp up to the edges with the classic soft focus accessory. The degree of softening is not affected by the aperture setting.

Item #.....**BWZS1**( )

**Zeiss Softlar 2**

Same as above, with slightly more effect.

Item #.....**BWZS2**( )

**Spot Lens**

Permits a circular section of the subject in the center of the image sharp reproduction. All other surrounding details fade out in a blurred effect. This creative artistic tool intentionally guides the eye to the center of attention. Strong colors create a glowing halo around the center part of the image. The degree of the blurred effect varies with the lens aperture opening.

Item #.....**BWSL**( )**Q**

**Fog Filters 1, 2 & 3 (Diffusion)**

Pictures taken with fog filters appear to have been taken in a fine, bright mist. Whitening colors and soft lights create a romantic atmosphere which can enhance the tone of the image in an unusual way. In backlit situations, there is an even stronger effect. The three densities allow for variations.

Item #.....**BWF1**( )

Item #.....**BWF2**( )

Item #.....**BWF3**( )



Taken with a Soft Spot Filter

**Soft Spot**

Produces a clear circular section in the center of the image, where details are reproduced in sharp focus. Surrounding area does not go completely out of focus but remains visible in softly flared contours with a slight whitening of colors.

Item #.....**BWSS**( )

## PRICES FOR SOFT FOCUS AND FOG EFFECT FILTERS

FILTER SIZES:	30.5	35.5	37	39	40.5	43	46	48	49	52	55	58	60	62	67	72	77
Soft Focus 1	22.00	24.00	26.00	27.00	25.00	21.00	20.00	20.00	20.00	21.00	24.00	26.00	41.00	30.00	36.00	46.00	51.00
Soft Focus 2	22.00	24.00	26.00	27.00	25.00	21.00	20.00	20.00	20.00	21.00	24.00	26.00	41.00	30.00	36.00	46.00	51.00
Soft Image	-	-	-	21.00	23.00	23.00	22.00	22.00	19.00	25.00	27.00	26.00	51.00	32.00	37.00	47.00	51.00
Zeiss Softlar 1	-	-	-	-	-	-	-	-	147.00	155.00	162.00	161.00	-	163.00	174.00	174.00	204.00
Zeiss Softlar 2	-	-	-	-	-	-	-	-	147.00	155.00	162.00	161.00	-	163.00	174.00	174.00	204.00
Fog Filter 1	-	-	-	21.00	25.00	25.00	24.00	27.00	25.00	26.00	29.00	32.00	37.00	35.00	37.00	41.00	48.00
Fog Filter 2	-	-	-	21.00	25.00	25.00	24.00	27.00	25.00	26.00	29.00	32.00	37.00	35.00	37.00	41.00	48.00
Fog Filter 3	-	-	-	21.00	25.00	25.00	24.00	27.00	25.00	26.00	29.00	32.00	37.00	35.00	37.00	41.00	48.00
Spot Lens	-	-	-	-	33.00	33.00	31.00	33.00	33.00	35.00	37.00	39.00	45.00	41.00	45.00	51.00	58.00
Soft Spot	-	-	-	21.00	25.00	25.00	24.00	27.00	25.00	26.00	29.00	32.00	37.00	35.00	37.00	41.00	48.00

FILTER SIZES:	82	86	95	105	112	122	B50	B60	B1	B2	B3	B6	S5.5	S7	S8	S9	PS
Soft Focus 1	81.00	84.00	124.00	138.00	160.00	163.00	57.00	90.00	34.00	42.00	47.00	151.00	24.00	29.00	41.00	68.00	84.95
Soft Focus 2	81.00	84.00	124.00	138.00	160.00	163.00	57.00	90.00	34.00	42.00	47.00	151.00	24.00	29.00	41.00	68.00	84.95
Soft Image	89.00	91.00	137.00	130.00	-	-	63.00	102.00	-	-	-	190.00	30.00	38.00	-	102.00	89.95
Zeiss Softlar 1	228.00	180.00	-	-	-	-	-	▲	-	-	-	◆	-	-	-	-	229.95
Zeiss Softlar 2	228.00	180.00	-	-	-	-	-	▲	-	-	-	◆	-	-	-	-	229.95
Fog Filter 1	-	106.00	158.00	168.00	-	-	59.00	97.00	-	46.00	46.00	190.00	25.00	25.00	25.00	65.00	84.95
Fog Filter 2	-	106.00	158.00	168.00	-	-	59.00	97.00	-	46.00	46.00	190.00	25.00	25.00	25.00	65.00	84.95
Fog Filter 3	-	106.00	158.00	168.00	-	-	59.00	97.00	-	46.00	46.00	190.00	25.00	25.00	25.00	65.00	-
Spot Lens	75.00	-	-	-	-	-	-	58.00	-	-	-	190.00	-	-	-	-	-
Soft Spot	-	-	-	-	-	-	59.00	97.00	-	-	-	97.00	-	-	-	-	84.95

▲ Not available from B&W - Available from Hasselblad

◆ Not available from B&W - Available from Rolleiflex

### Multi-Image Prisms

Prism attachments are manufactured from high-quality glass and consist of several prism surfaces of different shapes. They produce multiple images, depending on the number of the prisms. The position of the partial images with respect to each other depends upon the individual prism attachment and can be changed by rotating the prism to the desired setting. Some prism attachments have a colored filter foil underneath and create colorful kaleidoscope effects. In addition, multiple variable effects are achieved through the combination of other filters or attachments.

Prisms are excellent special effect attachments for use with video cameras. When the prism attachments are turned while the camera is running, the partial images rotate around each other.

#### Multi-Image 3x Prism

Consists of high quality glass with three equally sized prism surfaces that meet in the center. It produces three identical images whose positioning can be changed by turning the rotating mount.

Item #.....**BWP3**( )

#### Multi-Image 5x Prism

This prism contains a square prism in the center of the attachment and four trapezoid-shaped prisms in the outer area. It produces one central image surrounded by four identical images which may be moved around the square by rotation.

Item #.....**BWP5**( )

#### Multi-Image 6x Prism

A Pentagonal pentaprism in the center and five trapezoid-shaped prisms surrounding it produce one image, surrounded by five identical images which may be rotated.

Item #.....**BWP6**( )

#### 3x Prism Parallel

Consists of three parallel prisms of equal width, which produce two parallel repetitions of the main image. The orientation of the three images can be controlled by rotation.

Item #.....**BWPP3**( )

#### 6x Prism Parallel

Contains six parallel prisms, one of which takes up the largest half of the field, and five narrow parallel prisms take up the remaining portion. The first of six images reproduces the subject fully, and the other five reproduce sections of the subject in its height. The multiple images appear to flow into the background. The orientation of the six images can be controlled by rotation.

Item #.....**BWPP6**( )

#### 3x Color Prism

The 3x Color Prism attachment produces the same effect as the 3x Prism Parallel, but adds a gradual, soft blending of colors. The three parallel images can be positioned by rotation.

Item #.....**BWCP3**( )

#### 6x Color Prism

The 6x Color Prism attachment produces the same effect as the 6x Prism Parallel, with the addition of a soft blend of colors. All the colors are blended together in the central in the central image. The surrounding images have one pure color which blends into the adjacent colors. The six parallel images can be positioned by rotation.

Item #.....**BWCP6**( )

*To order Multi-Image Prisms, just insert filter diameter (FILTER SIZE in chart) after the item number of filter desired.*

### PRICES FOR MULTI-IMAGE PRISM FILTERS

Lens	46	48	49	52	55	58	60	62
Multi-Prism 3x Prism	44.00	44.00	43.00	43.00	48.00	54.00	68.00	65.00
Multi-Prism 5x Prism	44.00	44.00	43.00	43.00	48.00	54.00	68.00	65.00
Multi-Prism 6x Prism	44.00	44.00	43.00	43.00	48.00	54.00	68.00	65.00
3x Prism Parallel	44.00	44.00	43.00	43.00	48.00	54.00	68.00	65.00
6x Prism Parallel	50.00	50.00	50.00	53.00	56.00	58.00	77.00	75.00
3x Color Prism	65.00	62.00	65.00	65.00	67.00	70.00	91.00	87.00
6x Color Prism	65.00	62.00	65.00	65.00	67.00	70.00	91.00	87.00
Lens	67	72	77	B50	B60	B2	B3	B6
Multi-Prism 3x Prism	69.00	74.00	75.00	76.00	112.00	49.00	52.00	198.00
Multi-Prism 5x Prism	69.00	74.00	75.00	67.00	97.00	49.00	52.00	198.00
Multi-Prism 6x Prism	69.00	74.00	75.00	67.00	97.00	49.00	52.00	198.00
3x Prism Parallel	69.00	90.00	75.00	-	-	-	-	-
6x Prism Parallel	84.00	107.00	101.00	-	-	-	-	-
3x Color Prism	94.00	107.00	110.00	105.00	158.00	-	-	-
6x Color Prism	94.00	107.00	110.00	119.00	179.00	-	-	-

## F I L T E R S F O R S P E C I A L E F F E C T S

### Trick Effect Filters

#### Speed Effect

A unique "half lens" for fascinating speed and moving effect. The rotating mount allows adjustment to any subject matter in the image. The effect can be increased or decreased with different aperture settings.

Item #.....BWSE( )

#### Dual Image (Double Exposure)

This unusual special effect lens allows split exposure of an image. By rotating the mount, any segment of the picture area may be exposed, and then the second half is double exposed.

Item #.....BWDI( )

#### BIFO 1 and 2

The BIFO lenses allow simultaneous focusing on distant and near objects in the same frame. Approximately  $\frac{1}{3}$  of the 360° surface of the Bifo attachment works as a close-up lens. The +2.5 diopter (Bifo 1) and +3.5 diopter (Bifo 2) allow focusing on a close object in the 0.40m and 0.28m, respectively (15.75" and 11"). The remaining part of the attachment remains unchanged.

Bifo Lens #1.....BWB1( ) Bifo Lens #2.....BWB2( )

#### Prism Lens

Close-up attachment with off-center clear spot. Allows the inclusion of a distant subject into a close-up photography where normal depth-of-field conditions would not be adequate. It gives the appearance of a double exposure.

Item #.....BWPL( )

#### Close-Up Prism

A unique combination of double image and 7x close-up lens. The rotating mount allows desired positioning of double image for horizontal, vertical or diagonal placement of subject.

Item #.....BWCUP( )

*To order Trick Effect Filters, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.*

### PRICES FOR TRICK EFFECTS FILTERS

FILTER SIZE:	46	48	49	52	55	58	60	62	67	72	77	B6
Speed Effect	-	-	41.00	42.00	45.00	47.00	52.00	48.00	62.00	80.00	104.00	-
Dual Image	-	-	35.00	37.00	38.00	41.00	51.00	50.00	54.00	62.00	68.00	-
Bifo #1	39.00	38.00	37.00	38.00	42.00	42.00	48.00	44.00	-	-	-	-
Bifo #2	39.00	38.00	37.00	38.00	42.00	42.00	48.00	44.00	-	-	-	-
Prism Lens	41.00	40.00	42.00	43.00	45.00	47.00	63.00	65.00	66.00	69.00	72.00	201.00
Close-Up Prism	41.00	41.00	42.00	43.00	45.00	47.00	65.00	65.00	66.00	69.00	72.00	-



Taken with a Multi-Image 5x Prism



Taken without any filter



Taken with a B+W Speed Effect Filter



Taken with a B+W Bifo 2

### Close-Up Lenses

Single element diopter lenses enable focusing on subjects much closer than the standard lens allows. Great for detail photos of nature subjects and a wide range of situations. Available in several diopter strengths.

Close-Up NL 0.25 +0.25 diopter. Item #..... <b>BWCU.25</b> (    )	Close-Up NL3 +3 diopter. Item #..... <b>BWCU3</b> (    )
Close-Up NL 0.50 +0.50 diopter. Item #..... <b>BWCU.5</b> (    )	Close-Up NL4 +4 diopter. Item #..... <b>BWCU4</b> (    )
Close-Up NL1 +1 diopter. Item #..... <b>BWCU1</b> (    )	Close-Up NL5 +5 diopter. Item #..... <b>BWCU5</b> (    )
Close-Up NL2 +2 diopter. Item #..... <b>BWCU2</b> (    )	Macro Lens NL10 +10 diopter. Item #..... <b>BWML</b> (    )

### SPECIFICATIONS OF CLOSE-UP LENSES

CLOSE-UP LENSES	NL 0.25 +0.25	NL 0.50 +0.5	NL1 +1.0	NL2 +2.0	NL3 +3.0	NL4 +4.0	NL5 +5.0	Macro Lens +10
DISTANCE TO SUBJECT IN METERS								
LENS FOCUSING DISTANCE IN METERS	∞	4.00	2.00	1.00	0.50	0.33	0.25	-
	10	2.86	1.67	0.90	0.47	0.325	0.245	-
	7	2.55	1.56	0.87	0.46	0.32	0.24	-
LENS FOCUSING DISTANCE IN METERS	5	2.22	1.43	0.83	0.45	0.31	0.235	-
	3	1.71	1.20	0.75	0.42	0.30	0.23	-
	1	0.80	0.67	0.50	0.33	0.25	0.20	0.165
	0.5	0.44	0.40	0.33	0.25	0.20	0.16	0.14

*To order Close-Up Lenses, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.*

### PRICES FOR CLOSE-UP LENSES

FILTER SIZES:	30.5	37	39	40.5	43	46	48	49	52	55	58	60	62	67	72
Close-Up 0.25,0.50	22.00	26.00	30.00	25.00	21.00	20.00	20.00	16.00	21.00	19.00	21.00	32.00	28.00	30.00	40.00
Close-Up 1-4	19.00	24.00	27.00	21.00	21.00	20.00	20.00	16.00	21.00	19.00	21.00	32.00	28.00	30.00	40.00
Close-Up 5	22.00	26.00	30.00	25.00	21.00	20.00	20.00	16.00	21.00	19.00	21.00	32.00	28.00	30.00	40.00
Macro Lens +10	-	-	-	-	-	-	-	32.00	32.00	41.00	41.00	-	-	-	-

FILTER SIZES:	77	82	86	95	105	B50	B60	B1	B2	B3	B6	S5.5	S7	S8	S9
Close-Up 0.25,0.50	44.00	114.00	112.00	166.00	182.00	64.00	100.00	34.00	39.00	44.00	147.00	24.00	25.00	41.00	94.00
Close-Up 1-4	44.00	114.00	112.00	166.00	182.00	64.00	100.00	30.00	35.00	38.00	137.00	23.00	23.00	36.00	94.00
Close-Up 5	44.00	114.00	112.00	166.00	182.00	64.00	100.00	34.00	39.00	44.00	147.00	24.00	25.00	41.00	94.00

### Specialty Filters

The B+W special filters are strong absorbing filters for applications with defined wave length ranges when a standard filter will pass too much of one range of wavelength or not enough of another.

The specifications in brackets indicate the Schott glass used for the filter.

#### 470 [Schott BG 18]

The B+W 470 blue/green filter is used to differentiate reproductions of green tones in reproduction photography. It may also be used to create the effect of haze. For manual adjustment, increase 1 f-stop. The filter factor is approximately 2.

Item #.....**BW470**(    )

#### 484 [Schott UG 3]

This deep violet filter transmits only ultraviolet light, almost without reduction. It is used in fluorescent photography in front of the light source. In addition, it can also be used to enhance haze and fog in black and white photography. For manual adjustment, increase 3¼ f-stops.

Item #.....**BW484**(    )

#### 403 [Schott UG 1]

Ultra dark violet black filter. Transmits a small amount of visible light, completely blocking wavelengths longer than 360nm. Used for UV-reflection photography and for the front of UV emitting illumination in UV-fluorescent photography. Depending on the film, increase f-stop 3-6 stops.

Item #.....**BW403**(    )

#### 489 [Schott KG 3]

This filter is frequently described as a heat absorbing filter, because it lets the visible spectral range pass while the infrared rays from 780nm are strongly blocked. It is often used to protect IR-sensitive CCD-sensors, or in illumination systems.

Item #.....**BW489**(    )

## F I L T E R S F O R S P E C I A L E F F E C T S

### Specialty Filters, continued

To order Specialty Filters, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.

#### PRICES FOR SPECIALTY FILTERS

FILTER SIZES:	30.5	37	39	40.5	43	46	48	49	52	55	58	60	62	67	72	77
#470 Blue Green	33.00	44.00	44.00	37.00	36.00	34.00	34.00	31.00	35.00	38.00	43.00	68.00	50.00	61.00	85.00	95.00
#484 Violet	33.00	44.00	44.00	37.00	36.00	34.00	34.00	31.00	35.00	38.00	43.00	68.00	50.00	61.00	85.00	95.00
#403 Black	33.00	44.00	44.00	37.00	36.00	34.00	34.00	31.00	35.00	38.00	43.00	68.00	50.00	61.00	85.00	95.00
#489 IR Absorb Blue/Grn	33.00	44.00	44.00	37.00	36.00	34.00	34.00	31.00	32.00	42.00	43.00	68.00	50.00	61.00	85.00	95.00

FILTER SIZES:	82	86	95	105	112	122	B50	B60	B1	B2	B3	B6	S5.5	S7	S8	S9	PS
#470 Blue Green	114.00	112.00	166.00	182.00	211.00	232.00	71.00	110.00	44.00	52.00	58.00	230.00	30.00	37.00	57.00	94.00	-
#484 Violet	114.00	112.00	166.00	182.00	211.00	232.00	71.00	110.00	44.00	52.00	58.00	230.00	30.00	37.00	57.00	94.00	-
#403 Black	114.00	112.00	166.00	182.00	211.00	232.00	71.00	110.00	44.00	52.00	58.00	230.00	30.00	37.00	57.00	94.00	-
#489 IR Absorb Blue/Grn	114.00	112.00	166.00	182.00	211.00	232.00	58.00	99.00	44.00	52.00	58.00	230.00	30.00	37.00	57.00	94.00	149.95

### Infrared Filters

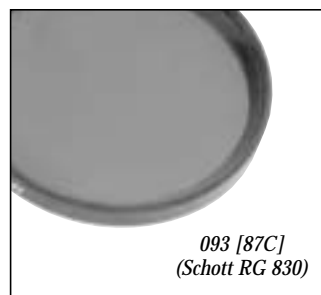
The spectral range above 780nm is not visible to the human eye. Nevertheless, there is a guideline for special, infrared sensitive film. The sensitization of black and white infrared film goes to approximately 900nm. Some infrared images that consist of a combination of visible and infrared light are possible. For purely infrared images, radiation below approximately 780nm must be completely filtered out.

#### 092 [89B] (Schott RG 830)

This dark red filter is for black and white infrared films and filters out light below approximately 650nm. It allows pictures of a pure red image, while making good use of the relatively low sensitivity of infrared films. Filter factor depends on the film sensitivity.  
Item # .....BW092( )

#### 093 [87C] (Schott RG 830)

This black infrared filter will filter out the entire visible spectrum. It is used with black and white infrared films, with a sensitivity of up to 1000nm. The filter factor is determined by the film sensitivity.  
Item # .....BW093( )



#### 099 [12] (Schott OG 530)

This yellow-orange colored filter blocks blue and blue-green portion of visible spectrum, up to approximately 500nm. Reduces excessive sensitivity of color infrared films, helps avoid a blue tint and differentiates colors more evenly. Filter factor depends upon film sensitivity.  
Item # .....BW099( )

To order Infrared Filters, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.

#### PRICES FOR INFRARED FILTERS

FILTER SIZES:	30.5	37	39	40.5	43	46	48	49	52	55	58	60	62	67	72	77
#092 Dk Red Infrared	33.00	44.00	44.00	37.00	36.00	34.00	34.00	31.00	32.00	42.00	43.00	68.00	50.00	61.00	85.00	95.00
#093 Black Infrared	33.00	44.00	44.00	37.00	36.00	34.00	34.00	31.00	32.00	42.00	43.00	68.00	50.00	61.00	85.00	95.00
#099 Orange Infrared	33.00	44.00	44.00	37.00	36.00	34.00	34.00	31.00	32.00	42.00	43.00	68.00	50.00	61.00	85.00	95.00

FILTER SIZES:	82	86	95	105	112	122	B50	B60	B1	B2	B3	B6	S5.5	S7	S8	S9	PS
#092 Dk Red Infrared	114.00	112.00	166.00	182.00	211.00	232.00	58.00	99.00	44.00	52.00	58.00	230.00	30.00	37.00	57.00	94.00	149.95
#093 Black Infrared	114.00	112.00	166.00	182.00	211.00	232.00	58.00	99.00	44.00	52.00	58.00	230.00	30.00	37.00	57.00	94.00	149.95
#099 Orange Infrared	114.00	112.00	166.00	182.00	211.00	232.00	58.00	99.00	44.00	52.00	58.00	230.00	30.00	37.00	57.00	94.00	149.95



### Pop Color Filters

Pop filters are made of high-quality glass that is toned in brilliant colors. They are used for an intentional surrealistic color effect by totally overlaying the color of the scene with the color of the filter. Although both tungsten and daylight balanced films can be used with equal success, it should be noted that exposure factors will vary. These filters give the best results with detailed subjects, especially when

strong colors or black surfaces are included in the foreground. The color overlaid by the filter then achieves a creative reference point. If the dominating color of the subject is similar to the filter color, the referred filter factor is reduced. If a filter in the complementary color is chosen, the filter factor is increased. Information in brackets indicate the respective Schott color glass.

**Pop Filter 424 Orange**  
(Schott OG 530)

The main function of these filters is to give an intentional surrealistic color effect.

Subjects of a monochromatic or distinct white coloring can be intensified or changed completely in its character through the overlay of a dominating exaggerated color.

**Item #.....BWPO( )**

**Pop Filter 442 Purple Pink** [Schott RG 6]  
**Item #.....BWPP( )**

**Pop Filter 461 Green** [Schott VG 9]  
**Item #.....BWPGR( )**

**Pop Filter 480 Blue** [Schott BG 12]  
**Item #.....BWBL( )**

**Pop Filter 490 Red** [Schott OG 590]  
**Item #.....BWPR( )**

**Pop Filter 443 Violet**  
**Item #.....BWV( )**

### SPECIFICATIONS FOR POP COLOR FILTERS

FILTER	INCREASE F-STOP
Pop Filter 424	1
Pop Filter 442	1½
Pop Filter 461	2
Pop Filter 480	2¼
Pop Filter 490	2½
Pop Filter 443	2-3

*To order Pop Color Filters, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.*

### PRICES FOR POP COLOR FILTERS

FILTER SIZES:	30.5	37	39	40.5	43	46	48	49	52	55	58	60	62	67	72	77
Pop 424, 442, 461	-	-	44.00	-	-	34.00	30.00	31.00	35.00	42.00	43.00	68.00	50.00	61.00	85.00	95.00
Pop 480, 490, 443	-	-	44.00	-	-	34.00	30.00	31.00	35.00	42.00	43.00	68.00	50.00	61.00	85.00	95.00

FILTER SIZES:	82	86	95	105	112	122	B50	B60	B1	B2	B3	B6	S5.5	S7	S8	S9
Pop 424, 442, 461	114.00	112.00	166.00	179.00	211.00	232.00	65.00	99.00	44.00	52.00	58.00	230.00	30.00	38.00	57.00	94.00
Pop 480, 490, 443	114.00	112.00	166.00	179.00	211.00	232.00	65.00	99.00	44.00	52.00	58.00	230.00	30.00	38.00	57.00	94.00

### Color Spot Filters

These filters are made of high-quality CR-39 plastic in several colors. They consist of a circular spot in the center which allows the portrayal of an object in a different colored surrounding. The filter effect can be directly influenced by the f-stop and the focal length. The transformation is soft with wider apertures. The size of the clear circular area increases relatively with the selection of longer focal lengths.

**Colorspot 701 Neutral Density**  
(Light Gray)

This filter consists of a neutral density outer area with a transmission of 50%. The portion outside of the image center can be reproduced one f-stop darker without changing its color.

**Item #.....BWCSND1( )**

**Colorspot 702 Neutral Density**  
(Dark Gray)

This filter has 25% transmission, resulting in a darkening of 2 f-stops.

**Item #.....BWCSND2( )**

**Colorspot 785 Purple**

**Item #.....BWCSPP( )**

**Colorspot 724 Orange**

**Item #.....BWCSO( )**

**Colorspot 743 Violet**

**Item #.....BWCSV( )**

**Colorspot 750 Tabac**

**Item #.....BWCSO( )**

**Colorspot 760 Yellow Green**

**Item #.....BWCSYG( )**

**Colorspot 761 Green**

**Item #.....BWCSGR( )**

**Colorspot 781 Blue**

**Item #.....BWCSBL( )**

**Colorspot 790 Red**

**Item #.....BWCSR( )**

*To order Color Spot Filters, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.*

### PRICES FOR COLOR SPOT FILTERS

FILTER SIZES:	49	52	55	58	60	62	67	72	77
Clrspot 701, 702, 785, 724, 743, 750, 760, 761, 781, 790	27.00	28.00	30.00	31.00	35.00	34.00	38.00	42.00	50.00



### Filters for Extra-Wide Angle Lenses

Filters for wide-angle lenses are required to prevent mechanical vignetting in corners when using extreme wide-angle lenses. The

glass is larger than the lens diameter. Recommended when the field-angle lenses exceeds 70°. For 35mm cameras, use

with lenses 28mm and shorter. For medium format cameras, use with lenses 50mm and shorter. Most extra-wide filters

will accept a larger front filter, while the filter itself is used as a lens hood.

#### SPECIFICATIONS OF EXTRA-WIDE ANGLE FILTERS

EW FILTER	ACCEPTS FILTER SIZE
49mm	62mm
52mm	67mm
55mm	72mm
58mm	72mm
62mm	77mm
67mm	82mm

*For  
Slim Filters  
without any  
front thread,  
see page  
332*

#### SPECIFICATIONS OF EXTRA-WIDE ANGLE FILTERS

EW FILTER	ACCEPTS FILTER SIZE
72mm	86mm
77mm	92mm
82mm	96mm
86mm	100mm
95mm	105mm
105mm	122mm

*To order Filters for Extra-Wide Angle Lenses, just insert filter diameter (FILTER SIZE in charts below) after the item number of filter desired.*

#### PRICES OF FILTERS FOR EXTRA-WIDE LENSES

FILTER SIZE:	ITEM #	49	52	55	58	62	67	72	77	82	86	95	105
UV Haze 010	BWUV( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
Skylight KR1-5	BWSL( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
Kaesemann Linear Polarizer	BWKP( )EW	125.00	125.00	142.00	156.00	179.00	179.00	217.00	247.00	279.00	298.00	314.00	364.00
Kaesemann Circular Polarizer	BWKP( )EW	142.00	153.00	165.00	176.00	170.00	208.00	239.00	268.00	306.00	326.00	342.00	398.00
Light Yellow 021	BW021( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
Medium Yellow 022	BW022( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
Dark Yellow 023	BW023( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
Yellow Orange 040	BW040( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
Red Orange 041	BW041( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
Yellow Green 060	BW060( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
Green 061	BW061( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
Light Blue 080	BW080( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
Medium Blue 081	BW081( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
Light Red 090	BW090( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
Dark Red 091	BW091( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
81A	BW81A( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
81B	BW81B( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
KR3 Warm	BWKR3( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
KR6 Warm	BWKR6( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
KR12 Warm	BWKR12( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
KR15 Warm	BWKR15( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
KB1.5 Cool	BWKB1.5( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
KB3 Cool	BWKB3( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
KB6 Cool	BWKB6( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
KB12 Cool	BWKB12( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
KB15 Cool	BWKB15( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00
KB20 Cool	BWKB20( )EW	43.00	43.00	48.00	61.00	66.00	68.00	78.00	79.00	94.00	102.00	118.00	143.00

### Multi-Coated Filters

Multi-coated filters maximize the amount of light reaching the film by minimizing the light lost to reflections. When shooting in backlit or side-lit conditions, ghost images frequently appear. This is caused by light reflecting on the surface of the optical glass and subsequently through the filter. Even plain glass will cause a light reduction of approximately 4% per surface.

Stray light or flare produces images with low contrast and a washed-out appearance. This effect is caused by the difference of refraction between glass and air surfaces. In order to equalize this difference in refraction values and provide reflection-free transmission of light through the filter, an anti-reflection coating is applied.

Layers of scratch-resistant metal dioxide vapors are applied in high-vacuum chambers. The thickness of these layers, which appear colorful when light is reflected onto them, is  $\frac{1}{4}$  wavelength or less. Several layers of coatings are applied to reduce reflection over a broad spectrum.

To achieve best results, B+W uses the multi-coating technology developed by Schneider-Kreuznach. They are made of the finest optical glass and can be easily cleaned. In comparison to conventional multi-coated, B+W MC filters offer even better results over a wider spectral range. Residual reflections of less than 1% between 400-650 nanometers are eliminated.

*To order Multi-Coated filters, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.*

### PRICES OF MULTI-COATED FILTERS

FILTER SIZE:	ITEM #	30.5	35.5	39	46	48	49	52	55	58	60	62	67	72	77	82	86
UV Haze 010	BWUVMC( )	27.00	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
Skylight KR1-5	BWSLMC( )	27.00	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
Top Polarizer	BWPMC( )	-	-	-	70.95	53.00	49.00	51.00	56.00	58.00	-	59.00	68.00	79.00	84.00	-	-
Circular Polarizer	BWCPMC( )	-	-	-	-	-	73.00	74.00	86.00	87.00	114.00	90.00	109.00	125.00	141.00	-	-
Light Yellow 021	BW021MC( )	27.00	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
Medium Yellow 022	BW022MC( )	27.00	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
Dark Yellow 023	BW023MC( )	27.00	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
Yellow Orange 040	BW040MC( )	27.00	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
Red Orange 041	BW041MC( )	27.00	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
Yellow Green 060	BW060MC( )	27.00	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
Green 061	BW061MC( )	27.00	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
Light Blue 080	BW080MC( )	27.00	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
Medium Blue 081	BW081MC( )	27.00	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
Light Red 090	BW090MC( )	27.00	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
Dark Red 091	BW091MC( )	27.00	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
81A Warm	BW81AMC( )	-	-	-	27.00	-	27.00	27.00	30.00	33.00	-	39.00	43.00	55.00	72.00	94.00	97.00
81B Warm	BW81BMC( )	-	-	-	27.00	-	27.00	27.00	30.00	33.00	-	39.00	43.00	55.00	72.00	94.00	-
KR3 Warm	BWKR3MC( )	27.00	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
KR6 Warm	BWKR6MC( )	27.00	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
KR12 Warm	BWKR12MC( )	27.00	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
KR15 Warm	BWKR15MC( )	27.00	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
KB1.5 Cool	BWKB1.5MC( )	26.00	-	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
KB3 Cool	BWKB3MC( )	27.00	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
KB6 Cool	BWKB6MC( )	27.00	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
KB12 Cool	BWKB12MC( )	27.00	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
KB15 Cool	BWKB15MC( )	-	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00
KB20 Cool	BWKB20MC( )	27.00	37.00	33.00	27.00	27.00	27.00	27.00	30.00	33.00	48.00	39.00	43.00	55.00	72.00	96.00	106.00

# HELIOPAN

## SKY, UV AND POLARIZER FILTERS

Heliopan filters are made exclusively from raw glass supplied by Schott (Zeiss), the world's leading optical glass manufacturer. This guarantees that Heliopan filters are the highest quality possible. The glass is "dyed in the mass" and ground and polished to precise optical plane parallelism, and they are double hard coated on both sides.

All Heliopan filters are mounted in black anodized brass rings to ensure optimal performance and ease of mounting and unmounting. This insures that they meet the high standards which are the basis for the unsurpassed reputation of the German optical industry!

*To order Heliopan filters, just insert filter diameter (FILTER SIZE in charts below) after the item number of filter desired.*

### HELIOPAN FILTERS AND CODES

SIZE	FILTER SIZE	SIZE	FILTER SIZE
30.5mm	30.5	52mm	52
39mm	39	55mm	55
40.5mm	40.5	58mm	58
46mm	46	60mm	60
48mm	48	62mm	62
49mm	49	67mm	67

### HELIOPAN FILTERS AND CODES

SIZE	FILTER SIZE	SIZE	FILTER SIZE
72mm	72	Bay 60 Hass	B60
77mm	77	Bay 3 Rollei	B3
82mm	82	Bay 6 Rollei	B6
86mm	86	Series 6	S6
95mm	95	Series 7	S7
105mm	105	Series 8	S8

### Polarizer Filters

Polarizer filters are used for both black and white and color. These filters eliminate reflections from non metallic objects and glass surfaces, increase contrast and minimize haze in both color and black-and-white photography.

Heliopan polfilter consists of a polarizing foil cemented between two plane-parallel glass discs. They can be revolved in their brass mounts, so that the degree of absorption can be controlled. When the linear polfilter is used with a SLR or groundglass focusing camera, simply rotate the filter until the desired effect is visible. The most effective result is obtained when the camera angle is 30° to 40° to the subject.

All Heliopan polarizing filters are provided with numerical scale on the mount. If it is not possible to view through the lens, the desired effect is achieved by rotating the filter in front of the eye and noting on the numbered scale when the desired effect is obtained. Mount the filter on the lens and rotate the filter until the number is in exactly the same position on the lens as it was when viewed in front of the eye.



Taken without a filter



Taken with a Linear Polarizer Filter

### Linear Polarizer Filter

Linear polarizers are used with most manual focus SLR and rangefinder cameras to increase color saturation and reduce reflections. The neutral gray color and plane parallel polarizer material guarantee optimal image results.

Item #.....HEP( )

### Circular Polarizer Filter

This filter is specially designed to be used with auto-exposure and auto-focus SLR and video cameras. It does not influence the metering systems of these cameras.

Item #.....HECP( )

### Sky and Ultraviolet (UV) Filters

#### Skylight KR 1.5 (1A) Filter

Absorbs UV radiation, reduces bluish cast in scenic photography and adds a pleasant warming effect to portraits. It can also be left on lens all the time for protection.

Item #.....HESL( )

#### UV Haze Filter

A clear filter with no effect on color, it absorbs UV radiation which appears in most outdoor photographs. It also serves as a protective filter and can be left on lens all the time.

Item #.....HEUV( )

### Warm Linear Polarizer Filter

This unique filter combines the advantages of a polarizer and a skylight KR1.5 into one filter. It brings together the advantages of both filters in color photography while producing impressive photographs with not only vibrant colors, but also a very pleasing warm tonal quality.

Item #.....HEWP( )

### Warm Circular Polarizer Filter

Same as above, but circular.

Item #.....HEWCP( )

# HELIOPAN

## SKY, UV, POLARIZER AND B&W FILTERS

### Sky, UV and Polarizer Filters, continued

*To order Polarizer, Sky and UV Filters, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.*

#### PRICES FOR SKY, UV AND POLARIZER FILTERS

FILTER SIZE:	30.5	39	40.5	46	48	49	52	55	58	60	62	67
Skylight KR1.5	35.95	37.95	38.50	33.50	38.50	25.95	26.95	29.95	33.95	46.95	39.95	44.95
UV Haze	35.95	37.95	33.50	33.50	38.50	25.95	26.95	29.95	33.95	46.95	39.95	44.95
Linear Polarizer	49.95	45.95	53.50	47.95	49.95	43.95	44.95	46.95	49.95	69.95	54.95	62.95
Circular Polarizer	69.50	64.50	73.95	69.95	69.95	57.95	61.95	64.95	69.95	84.50	73.95	84.95
Warm Linear Polarizer	—	—	—	—	—	139.95	139.95	164.95	164.95	189.50	174.95	189.95
Warm Circular Polarizer	—	—	—	—	—	169.95	169.95	199.95	199.95	258.50	209.95	239.95

FILTER SIZE:	72	77	82	86	95	105	B60	B3	B6	S6	S7	S8
Skylight KR1.5	54.95	59.95	96.50	119.95	169.95	176.95	133.95	69.50	163.50	39.95	49.50	68.95
UV Haze	54.95	59.95	96.50	119.95	169.95	176.95	133.95	69.50	163.50	39.95	49.50	68.95
Linear Polarizer	69.95	79.95	126.95	163.50	194.50	218.50	—	—	—	—	—	—
Circular Polarizer	99.95	114.95	159.95	189.95	267.95	269.95	—	—	—	—	—	—
Warm Linear Polarizer	199.95	229.95	—	—	—	—	—	—	—	—	—	—
Warm Circular Polarizer	249.95	269.95	—	—	—	—	—	—	—	—	—	—

### Filters for Black and White Film

#### Light Yellow 6

For Outdoor photographs, primarily used as a haze filter. Corrects blue sky and improves contrast.

Item #.....HE6( )

#### Medium Yellow 8

This filter increases visible gray tones of green objects, such as foliage. Dramatically darkens the sky.

Item #.....HE8( )

#### Dark Yellow 15

Darkens the sky and increases penetration of atmospheric haze. Also for infrared photography.

Item #.....HE15( )

#### Yellow Green 11

Universal scenic filter with large green areas. Great for spring and summer.

Item #.....HE11( )

#### Green 13

Ideal for green subjects and outdoor portraits. Useful with high speed film.

Item #.....HE13( )

#### Orange 22

For increased cloud effects, darkens sky and lightens clouds. Significant reduction of atmospheric haze, especially when using long focal length lenses.

Item #.....HE22( )

#### Light Red 25

This filter will almost entirely absorb blue and will emphasize red. Used to increase contrast as well as infrared film for moon light effect. Used for color separations.

Item #.....HE25( )



*To order Filters for Black & White Film, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.*

#### PRICES FOR BLACK AND WHITE FILM FILTERS

FILTER SIZE:	39	46	49	52	55	58	60	62	67	72	77	82	105	B60	B3	B6
Light Yellow 6	37.95	33.50	33.50	33.95	37.95	39.50	46.95	46.95	53.50	64.95	76.95	—	—	133.95	69.50	163.50
Medium Yellow 8	37.95	33.50	33.50	33.95	37.95	39.50	46.95	46.95	53.50	64.95	76.95	96.50	176.95	133.95	69.50	163.50
Dark Yellow 15	37.95	33.50	33.50	33.95	37.95	39.50	46.95	46.95	53.50	64.95	76.95	—	—	133.95	—	—
Yellow Green 11	37.95	33.50	33.50	33.95	37.95	39.50	46.95	46.95	53.50	64.95	76.95	—	—	133.95	69.50	—
Green 13	37.95	33.50	33.50	33.95	37.95	39.50	46.95	46.95	53.50	64.95	76.95	96.50	176.95	133.95	69.50	—
Orange 22	37.95	33.50	33.50	33.95	37.95	39.50	46.95	46.95	53.50	64.95	76.95	96.50	176.95	133.95	69.50	163.50
Light Red 25	37.95	33.50	33.50	33.95	37.95	39.50	46.95	46.95	53.50	64.95	76.95	96.50	176.95	133.95	69.50	—



# HELIOPAN

## COLOR CONVERSION FILTERS

### Conversion Filters for Color

Color conversion filters are used to balance the quality of light to color film. The human eye subjectively registers color, which is directly dependent on the color temperature of the light source and on the quality of the emitted light (direct, indirect, diffused, etc.).

In photography, the measurement unit for color temperature is the Kelvin (K). In the manufacture of color films, the manufacturer must make sure that film emulsions are sensitive to the light source the film is to be exposed by. A change in light intensity from one day to the next means that the color temperature changes, as well.

With the proper use of conversion filters, daylight films (approximately 5000 to 5600 K) can be used with 2400 K lamps (KB 18) to extreme daylight lighting of 20,000 K (KR 13.5) and anything in between. Conversely, tungsten films can also be easily balanced for use under virtually any color temperature from 7500 K (KR 18) to 3000 K (KB 1.5).

To simplify the complicated task of matching a color emulsion to a light

source, Heliopan uses the Decamired system which allows the photographer to simply and easily match emulsion to light source by using one or more filters. With the Decamired system, the warming filters are designated KR and the cooling filters KB. The strength of each filter is designated numerically by progressively higher numbers, i.e. 1.5, 3, 6, etc.

With the Decamired system, every light source is assigned a Decamired value (5500 K = DM 18), and each film emulsion is also assigned a Decamired value (daylight film = DM 18). When using filters calibrated in the Decamired system with daylight film (DM 18) exposed under a cloudy sky (DM 15), one only has to use a filter equal to the shift in warmth "3". Thus, a KR 3 will properly balance daylight film to overcast, cloudy illumination (6,750 K).

For most accurate balancing of color films, a 3-color color temperature meter is essential, but very accurate approximations can be made by simply following shifts between the lighting and film values.

LIGHT SOURCE	COLOR OF LIGHT SOURCE COLOR TEMP. (KELVIN)	DECA- MIRED	FILTER REQUIRED-DAYLIGHT FILM DM SHIFT	DECAMIRED SYSTEM	LIGHT SOURCE	COLOR OF LIGHT SOURCE COLOR TEMP. (KELVIN)	DECA- MIRED	FILTER REQUIRED-DAYLIGHT FILM DM SHIFT	DECAMIRED SYSTEM
DAYLIGHT	5,500 K	18	0	NONE	HEAVY OVERCAST	7,750 K	13	+5	KR 3 + KR 1.5
ELECTRONIC FLASH	6,000 K	17	+1	KR 1.5	OPEN SHADE (HAZY)	10,000 K	10	+8	KR 6 + KR 1.5
LIGHT OVERCAST	6,500 K	15	+3	KR 3	OPEN SHADE (CLEAR)	12,500 K	8	+10	KR 6 + KR 3
OVERCAST	6,750 K	14.5	+3.5	KR 3		20,000 K	5	+13	KR 12

### SPECIFICATIONS FOR WARMING FILTERS

Filter	COLOR TEMP CORRECTED FROM → TO	WRATTEN NUMBER	ITEM NUMBER
KR 1.5 (Skylight)	3400 K → 3200 K	1A	HESL( )
KR 3 (Skylight)	3600 K → 3200 K	81C	HEKR3( )
KR 6	3900 K → 3200 K	81EF	HEKR6( )
KR 12	5500 K → 3400 K	85	HEKR12( )
KR 15	5500 K → 3200 K	85B	HEKR15( )
81A	3400 K → 3200 K	81A	HE81A( )
81B	3500 K → 3200 K	81B	HE81B( )

### SPECIFICATIONS FOR COOLING FILTERS

FILTER	COLOR TEMP CORRECTED FROM → TO	WRATTEN NUMBER	ITEM NUMBER
KB 1.5	3000K → 3200 K	82A	HEKB1.5( )
KB 3	2800 K → 3200 K	82B	HEKB3( )
KB 6	4100 K → 5500 K	82C	HEKB6( )
KB 12	3400 K → 5500 K	80B	HEKB12( )
KB 15	3200 K → 5500 K	80A	HEKB15( )
KB 18	2400 K → 5500 K	—	HEKB18( )

### PRICES FOR CONVERSION FILTERS FOR COLOR

FILTER SIZE:	39	46	49	52	55	58	60	62	67	72	77	82	86	105	B60	B3	B6
KR 3	37.95	33.50	33.50	33.95	37.95	39.50	46.95	46.95	53.50	64.95	76.95	96.50	-	176.95	133.95	69.50	163.50
KR 6	37.95	33.50	33.50	33.95	37.95	39.50	46.95	46.95	53.50	64.95	76.95	96.50	-	176.95	133.95	69.50	-
KR 12	37.95	33.50	33.50	33.95	37.95	39.50	-	46.95	53.50	64.95	76.95	-	-	-	133.95	-	-
KR 15	37.95	33.50	33.50	33.95	37.95	39.50	-	46.95	53.50	64.95	76.95	-	-	-	133.95	-	-
81A	-	-	-	26.95	30.95	34.95	-	39.95	44.95	54.95	59.95	-	-	-	-	-	-
81B	-	-	-	26.95	30.95	34.95	-	39.95	44.95	54.95	59.95	-	-	-	-	-	-
81C	-	-	-	26.95	30.95	34.95	-	39.95	44.95	54.95	59.95	-	-	-	-	-	-
KB 1.5	37.95	33.50	33.50	33.95	37.95	39.50	46.95	46.95	53.50	64.95	76.95	-	-	-	133.95	-	-
KB 3	37.95	33.50	33.50	33.95	37.95	39.50	46.95	46.95	53.50	64.95	76.95	-	-	-	133.95	-	-
KB 6	37.95	33.50	33.50	33.95	37.95	39.50	-	46.95	53.50	64.95	76.95	-	-	-	133.95	-	-
KB 12	37.95	33.50	33.50	33.95	37.95	39.50	-	46.95	53.50	64.95	76.95	-	-	-	133.95	-	-
KB 15	37.95	33.50	33.50	33.95	37.95	39.50	-	46.95	53.50	64.95	76.95	96.50	-	-	133.95	69.50	-
KB 18	37.95	33.50	33.50	33.95	37.95	39.50	-	46.95	53.50	64.95	76.95	-	-	-	133.95	-	-

# HELIOPAN

## SPECIAL EFFECTS FILTERS

### Fluorescent Filters

#### FLD Filter

A light violet filter. Eliminates blue-green tint color produced by daylight film illuminated by fluorescent bulbs.

Item #.....**HEFLD**( )

### Neutral Density Filters

Neutral density filters are used to cut down the amount of light. They block the entire visible spectrum evenly and allow light reduction without influencing color rendition or contrast. They can also be combined for greater f-stop reduction.

#### Neutral Density ND 0.3

This lightly tinted filter reduces light transmission by one f-stop when there is too much light while using high-speed film.

Item #.....**HEND.3**( )



Neutral Density ND 0.9 and 0.3

#### Neutral Density ND 0.6

By using this filter, it is possible to use relatively longer shutter speeds while retaining a wide aperture, even in bright illumination. Reduces speed by two f-stops.

Item #.....**HEND.6**( )

#### Neutral Density ND 0.9

This filter is denser than the ND 0.6 and more light absorbing. It is suited for video, especially when a small enough lens opening is not available. In addition, a specific depth of field limit can be obtained.

Reduces speed by three f-stops.  
Item #.....**HEND.9**( )

### Neutral Density Graduated Filters (Resin)

Heliopan Circular Graduated Filters are optical resin stepless process filters which are continuously graduated from clear to the maximum density of the filter.

They have no effect on color, only the density of the light - and are used in cases of extreme contrast to selectively reduce brightness. A sunny sky with clouds above a landscape is often too contrasty to record on film. The sky appears too light, or the landscape too dark.

With the ND-graduated filter, the sky's brightness is modified, and the excess contrast is controlled.

#### Graduated ND 0.3 (ND2X)

Item #.....**HEGND.3**( )

#### Graduated ND 0.6 (ND4X)

Item #.....**HEGND.6**( )

*Graduated ND filters are also available in Square and Rectangular sizes.*

### Soft Focus Effects/Close-Up Lenses

Soft Focus filters are popular lens attachments. They are used for a variety of applications, such as lowering contrast, creating halo effects around highlights and creating a mist effect while the lens aperture remains unaffected.

#### Soft Focus 1

The Soft Focus filters reduce contrast and create a soft halo around the highlights. They are also ideal for creating a hint of softness or blurred contours. Their effect is based on concentric rings in the glass and can be enhanced by opening up or reduced by closing down the aperture.

Item #.....**HESF1**( )

#### Soft Focus 2

Same as above, with further reduced contrast.

Item #.....**HESF2**( )



Taken without any filter



Shown with Soft Focus 1 effect

#### Heliopan Zeiss Softar 1

The Heliopan Softar 1 is a special lens with a built-in mini-diffuser lens. It is the optimum in a soft focus lens. In comparison with other diffusers, the Zeiss Softar 1 can be used at any aperture for greater depth-of-field without changing the softness. Great for portraits. It can be combined with the Softar 2.

Item #.....**HEZS1**( )

#### Heliopan Zeiss Softar 2

Same as above, with slightly more effect.

Item #.....**HEZS2**( )

#### 4x Cross Screen (Star)

Spaced-apart engraved lines produces a 4-pointed star from a pointed light source. It also diffuses the image slightly. Most effective when used with longer focal lenses. Highly recommended for video.

Item #.....**HECS4**( )



Heliopan Zeiss Softar 2

#### 6x Cross Screen

Same as above, but creates a 6-pointed star.

Item #.....**HECS6**( )

#### Close-Up 2

Single element diopter lens enables focusing on subjects much closer than the standard lens allows. Great for detail photos of nature subjects and a wide range of situations.

Item #.....**HECU2**( )

#### Close-Up 3

Same as above, with stronger magnification.

Item #.....**HECU3**( )

# HELIOPAN

## SPECIAL EFFECT FILTERS

Fluorescent/Neutral Density/Soft Focus Effects/Close-Up Lenses

*To order, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.*

### PRICES FOR HELIOPAN FILTERS

FILTER SIZE:	46	49	52	55	58	60	62	67	72	77	B60
Fluorescent FLD	44.95	44.95	47.95	58.50	62.95	69.95	69.95	84.95	96.50	124.50	168.95
Neutral Density ND 0.3	33.50	33.50	33.95	37.95	39.50	46.95	46.95	53.50	64.95	76.95	133.95
Neutral Density ND 0.6	33.50	33.50	33.95	37.95	39.50	46.95	46.95	53.50	64.95	76.95	133.95
Neutral Density ND 0.9	33.50	33.50	33.95	37.95	39.50	46.95	46.95	53.50	64.95	76.95	133.95
Graduated ND 0.3	—	71.95	71.95	77.95	83.50	—	88.50	89.95	102.50	123.95	149.95
Graduated ND 0.6	—	71.95	71.95	77.95	83.50	—	88.50	89.95	102.50	123.95	149.95
Soft Focus 1	44.95	44.95	47.95	58.50	59.95	69.95	69.95	84.95	96.50	124.50	168.95
Soft Focus 2	44.95	44.95	47.95	58.50	59.95	69.95	69.95	84.95	96.50	124.50	168.95
Zeiss Softlar 1	—	—	169.95	179.95	179.95	—	179.95	194.95	194.95	221.95	—
Zeiss Softlar 2	—	—	169.95	179.95	179.95	—	179.95	194.95	194.95	224.95	—
Cross Screen 4x	54.50	54.50	54.50	57.50	62.95	—	69.95	78.50	89.50	109.95	156.50
Cross Screen 6x	54.50	54.50	54.50	57.50	62.95	—	69.95	78.50	89.50	109.95	156.50
Close-Up 2	33.50	33.50	33.95	37.95	39.50	46.95	46.95	53.50	64.95	76.95	133.95
Close-Up 3	33.50	33.50	33.95	37.95	39.50	46.95	46.95	53.50	64.95	76.95	133.95

### Graduated Neutral Density Center Filters

Used for wide-angle view lenses. They are neutral gray, concentric graduated filters which have high density at the center and are transparent at the rim. The course of the density is selected so that the light fall-off of the image circle will be compensated at f/16. As a result of the working aperture, you will have a uniform image field illumination. Center filters are double threaded with a larger front thread to accommodate larger size filters. Since these filters are used for extreme wide-angle lenses, this avoids vignetting.

### NEUTRAL DENSITY SPECIFICATIONS

SIZE (in)	MM	GRADUATED	INCREASE MAXIMUM F-STOP	MFG #	ITEM #	PRICE
3x4.8	75x120	ND 0.3 (2x)	1	710-167	HEGND.3348	279.50
3x4.8	75x120	ND 0.6 (4x)	2	710-168	HEGND.6348	279.50
3x4.8	75x120	(6x)	2½	710-169	HEGND.9348	279.50
4x6	100x150	ND 0.3 (2x)	1	710-267	HEGND.346	353.50
4x6	100x150	ND 0.6 (4x)	2	710-268	HEGND.646	353.50
4x6	100x150	(6x)	2½	710-269	HEGND.946	353.50

### HELIOPAN BRASS ROTATING FILTER HOLDERS for RECTANGULAR GLASS ND FILTERS

FITS SIZE	LENS SIZE	ITEM	MFG #	ITEM #	PRICE
3x4.8"	77	77mm Rotating Filter Holder	706-106	HEFH77	119.50
4x6"	105	105mm Rotating Filter Holder	706-107	HEFH105	159.95

*To fit Rotating Filter Holders onto other lens sizes, a Stepping Ring is required; see Stepping Rings.*

### GRADUATED NEUTRAL DENSITY CENTER FILTER SPECIFICATIONS

FILTER	FRONT ACC. SIZE	INCREASE MAX. F-STOP	MFG #	ITEM #	PRICE
49mm ND Center Filter 3x	67mm	1½	704951	HECF349	164.95
52mm ND Center Filter 3x	67mm	1½	705251	HECF352	164.95
55mm ND Center Filter 3x	67mm	1½	705551	HECF355	149.95
58mm ND Center Filter 3x	77mm	1½	705851	HECF358	249.95

FILTER	FRONT ACC. SIZE	INCREASE MAX. F-STOP	MFG #	ITEM #	PRICE
67mm ND Center Filter 3x	86mm	1½	706751	HECF367	252.95
77mm ND Center Filter 3x	105mm	1½	707751	HECF377	319.95
82mm ND Center Filter 3x	105mm	1½	708251	HECF382	319.95
95mm ND Center Filter 3x	105mm	1½	709551	HECF395	367.95

With its production of high-precision glass products, Hoya's Optical Division continually answers industry demands with new developments. Many new glass materials that feature highly sophisticated functions have come about as the direct result of advanced research accumulated over the years. These products, through the revolutionary manufacturing system, have made Hoya an industry leader.

### Filters for Color Films

The human eye adapts to different light sources. If we look at a piece of white paper outdoors, then bring it indoors under artificial light, it will appear reddish, before slowly regaining its original white. Even when wearing colored sunglasses, white paper appears white to us. This ability is absent in photographic films, because they are made to respond only to certain types of light. Thus, pictures taken with color film sometimes appear too red or blue, depending on the color temperature of the light source. Correction then becomes necessary. This is the main reason why filters are necessary in color photography.

### Filters for Black and White Films

Beginners often take photographs which include a beautiful blue sky and white clouds, only to be disappointed because the entire sky appears white in finished prints. In other cases, colors are rendered with an unnatural balance between the tones in black and white photographs. All this is due to the fact that film does not respond to the various colors in the same way as does the human eye. The role of filters for black and white film is to correct picture contrast. Selecting the proper filter can render white clouds vividly bright against a dark sky, or make the tones of colored objects appear balanced and natural.

### Filters for Special Effects

These filters produce special effects that allow a wide range of emotional expression in photographs. Special effect techniques can be used with both movie and still cameras by merely attaching them to the front of the lens like ordinary filters. Special effect filters can also be combined with other types of filters for an endless variety of new effects. By understanding the nature of filters for color and for black and white films and special effect filters, you will be able to greatly advance the development of your photographic technique.

*To order Hoya Filters, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.*

#### HOYA FILTER SPECIFICATIONS

SIZE	CODE	SIZE	CODE	SIZE	CODE	SIZE	CODE	SIZE	CODE
27mm	27	40.5mm	40.5	49mm	49	62mm	62	82mm	82
37mm	37	43mm	43	52mm	52	67mm	67	95mm	95
39mm	39	46mm	46	55mm	55	72mm	72	Bay 50 Hass	B50
		48mm	48	58mm	58	77mm	77	Bay 60 Hass	B60

#### Sky, UV Protector and Polarizer Filters

##### Skylight (1B)

Reduces the excessive bluishness that frequently occurs in outdoor color photography. It provides great outdoor shots with superb color balance and clarity under all conditions. Keeps skin tones free of colored reflections from nearby objects. Also serves as a permanent lens protector.

Item #.....HOSL( )

##### Ultraviolet (0)

Absorbs the ultraviolet rays which often makes outdoor photographs hazy and indistinct. A multi-purpose fine weather filter for color, as well as black and white films. Also serves as a permanent lens protector.

Item #.....HOUV( )

##### Polarizer

Eliminates undesired reflections from non-metallic surfaces. Great for color photography. For b&w photography, the effect is the same as with the yellow (K2) and orange (G) filters. Also provides an infrared effect when used together with a R(25A) red filter.

Item #.....HOP( )

##### Circular Polarizer

Similar to an ordinary polarizing filter, except the light rays are circular, not linear, after passing through the filter. Avoids possible exposure errors caused by the slight polarizing of light by autofocus and TTL cameras using fixed mirrors.

Item #.....HOCP( )

*To order Sky, UV Protector and Polarizer Filters, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.*

#### PRICES FOR SKY, UV AND POLARIZER FILTERS

FILTER SIZE:	27	37	39	40.5	43	46	48	49	52	55	58	62	67	72	77	82	95	B50	B60
Skylight 1B	—	—	20.95	20.95	14.95	10.50	6.95	9.95	9.95	9.95	11.95	18.95	18.95	27.95	32.95	44.95	79.50	55.50	64.50
Ultraviolet	—	9.95	20.95	20.95	20.95	10.50	6.95	9.95	9.95	9.95	11.95	18.95	18.95	27.95	32.95	44.95	79.50	55.50	64.50
Polarizer	—	—	29.95	29.95	29.95	16.95	—	16.95	16.95	16.95	19.95	22.95	22.95	34.50	40.50	52.50	85.50	—	74.95
Circular Polarizer	29.95	29.95	—	29.95	29.95	28.95	—	29.95	29.95	29.95	34.50	49.50	49.50	59.95	70.50	92.95	—	—	—

## F I L T E R S F O R C O L O R F I L M

### 80 Series Cool Filters (80A, 80B, 80C)

These are color conversion filters for the use of daylight type color films with artificial light sources. 80A increases the color temperature from 3200°K to 5500°K for use with 3200°K lamps.

80B increases the color temperature from 3400°K to 5500°K for the use of photoflood lamps. 80C increases the color temperature from 3800°K to 5500°K for the use of clear flash bulbs.

#### 80A Filter

Item # .....HO80A( )

#### 80B Filter

Item # .....HO80B( )

#### 80C Filter

Item # .....HO80C( )

### 82 Series Cool Filters (82A, 82B, 82C)

These are light balancing filters used to increase the color temperatures slightly for a cooler (blue) tone. Corrects the tendency toward reddish tones. As an example, select the 82B when using tungsten Type B film

(3200°K) with ordinary household 100ws electric bulbs (2900°K). These series filters are also used to prevent the reddish tones in early morning or late evening light for natural skin tones.

#### 82A Filter

Item # .....HO82A( )

#### 82B Filter

Item # .....HO82B( )

#### 82C Filter

Item # .....HO82C( )

### 85 Series Warm Filters (85, 85B, 85C)

These are color conversion filters for the use of tungsten type color films in daylight.

#### 85 Filter

Decreases color temperature from 5500°K to 3400°K. For Type A color films.

Item # .....HO85( )

#### 85B Filter

Decreases color temperature from 5500°K to 3200°K. For Type B color films.

Item # .....HO85B( )

#### 85C Filter

Decreases color temperature from 5500°K to 3800°K. Same effect as daylight films used in daylight.

Item # .....HO85C( )

### 81 Series Warm Filters (81A, 81B, 81C)

These are light balancing filters used to decrease the color temperature slightly for a warmer (redder) tone.

#### 81A Filter

Will balance daylight film when used with an electronic flash.

Item # .....HO81A( )

#### 81B Filter

For using tungsten Type B color film (3200°K) with photoflood lamps (3400°K).

Item # .....HO81B( )

#### 81C Filter

For balancing Type A or Type B film with a clear flash.

Item # .....HO81C( )

### LIGHT BALANCING FILTER SPECIFICATIONS

FILTER		KELVIN	FILTER		KELVIN	FILTER		KELVIN	FILTER		KELVIN
80A	COOLS	2300°	82A	COOLS	200°	85	WARMS	2100°	81A	WARMS	230°
80B	COOLS	2100°	82B	COOLS	300°	85B	WARMS	2300°	81B	WARMS	240°
80C	COOLS	1700°	82C	COOLS	400°	85C	WARMS	1700°	81C	WARMS	250°

*To order Filters for Color Film, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.*

### PRICES FOR COLOR FILM FILTERS

FILTER SIZE:	39	40.5	43	46	49	52	55	58	62	67	72	77	82	95	B50	B60
80A,80B,80C	20.95	20.95	20.95	14.95	14.95	14.95	14.95	17.95	26.95	26.95	34.50	41.95	52.50	97.50	59.95	74.95
82A,82B,82C	20.95	20.95	20.95	14.95	14.95	14.95	14.95	17.95	26.95	26.95	34.50	41.95	52.50	97.50	59.95	74.95
85,85B,85C	20.95	20.95	20.95	14.95	14.95	14.95	14.95	17.95	26.95	26.95	34.50	41.95	52.50	97.50	59.95	74.95
81A,81B,81C	20.95	20.95	20.95	14.95	14.95	14.95	14.95	17.95	26.95	26.95	34.50	41.95	52.50	*97.50	59.95	74.95

\* Not Available for 81B



## FILTERS FOR BLACK AND WHITE/FLUORESCENT

### Filters for Black and White Film

#### Yellow (K2)

The yellow K2 filter is especially useful for clear contrast between blue sky with clouds and foreground. Provides a natural tone rendition. Often used for subjects at intermediate distances.

Item #.....HOY( )

#### Orange (G)

This filter increases contrast between reds and yellows. Particularly useful for distant outdoor shots taken with a telephoto lens. Also useful in color photography for spectacular sunsets, seascapes, etc.

Item #.....HOO( )

#### Red (25A)

The Red 25A filter is especially effective for increasing contrast. It is ideal for dramatic cloud effects in landscapes. Can also be applied creatively in color and infrared photography.

Item #.....HOR( )

#### Yellow Green (X0), Green (X1)

Yellow Green is highly effective for outdoor portraits. It corrects skin tones, and emphasizing the feeling of liveliness. Green is highly effective for indoor portraits under tungsten lighting.

Yellow Green #.....HOYG( )

Green #.....HOG( )



Taken without a filter



Taken with a Yellow (K2) Filter



Taken with a Red (25A) filter

**To order Filters for Black and White Film, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.**

### PRICES FOR BLACK AND WHITE FILM FILTERS

FILTER SIZE:	39	40.5	43	46	49	52	55	58	62	67	72	77	82	95	B50	B60
Yellow	20.95	20.95	20.95	14.95	14.95	14.95	14.95	17.95	26.95	26.95	34.50	41.95	52.50	97.50	59.95	74.95
Orange	20.95	20.95	20.95	14.95	14.95	14.95	14.95	17.95	26.95	26.95	34.50	41.95	52.50	97.50	59.95	74.95
Red	20.95	20.95	20.95	14.95	14.95	14.95	14.95	17.95	26.95	26.95	34.50	41.95	52.50	97.50	59.95	74.95
Yellow Green	20.95	20.95	20.95	14.95	14.95	14.95	14.95	17.95	26.95	26.95	34.50	41.95	52.50	97.50	59.95	74.95
Green	20.95	20.95	20.95	14.95	14.95	14.95	14.95	17.95	26.95	26.95	34.50	41.95	52.50	97.50	59.95	74.95

### Fluorescent Filters for Color Film

Fluorescent filters are used to correct the greenish tone that appears when daylight type films are used under fluorescent lighting.

FL-DAY is for use with daylight type fluorescent lamps. FL-W is for use with warm or white type fluorescent lamps.

#### Fluorescent FL-Day

Item #.....HOFLD( )

#### Fluorescent FLW

Item #.....HOFLW( )

**To order Fluorescent Filters, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.**

### PRICES FOR FLUORESCENT FILTERS

FILTER SIZE:	46	49	52	55	58	62	67	72	77
FL-Day	14.95	14.95	14.95	14.95	17.95	26.95	26.95	34.50	41.95
FLW	14.95	14.95	14.95	14.95	17.95	26.95	26.95	34.50	41.95

**Most Orders Shipped Within 24 Hours**

## N . D . / C L O S E U P / S P E C I A L E F F E C T S F I L T E R S

### Neutral Density Filters

Neutral density filters are used to control the amount of light entering the camera lens. This adjusts film speed, lowers the shutter speed for special effects and decreases the depth-of-field.

#### ND 2x

Reduces 1 f-stop.

Item #.....**HOND2**( )

#### ND 4x

Reduces 2 f-stops.

Item #.....**HOND4**( )

#### ND 8x

Reduces 3 f-stops.

Item #.....**HOND8**( )

### Close-Up Lenses

Hoya Close-up lenses are single element diopter lenses that enable focusing on subjects much closer than the standard lens allows. Great for detail, photos of nature subjects and a wide range of situations.

#### Split Field

One-half of a close-up lens with the other half open. One half of the picture receives a close-up effect, while the other half is normal. Both very close and far subjects can be in focus at the same time. Or, one half of the picture can be out of focus for special effects.

Item #.....**HOSF**( )

#### Close-Up Lens Set

Includes Close-Up #1, 2 and #4. Can be combined in any combination, up to +7.

Item #.....**HOCUS**( )

#### Macro Close-Up (+10)

Two elements in two group, the Macro Close-Up +10 is a diopter for extreme close-ups. Resolution is outstanding and focusing is possible at 4" (10cm). For super close-ups of insects, flowers and other small objects. The magnification is about 1:2 with a 50mm standard lens (35mm camera), equivalent to a 100mm telephoto lens. The lens should be stopped down as much as possible to get maximum depth-of-field.

Item #.....**HOMCU**( )

To order Neutral Density Filters, or Close-Up Lenses just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.

### NEUTRAL DENSITY AND CLOSE-UP FILTERS

FILTER SIZE:	39	40.5	43	46	49	52	55	58	62	67	72	77	82	95	B50	B60
ND 2x	20.95	20.95	20.95	14.95	14.95	14.95	14.95	17.95	26.95	26.95	34.50	41.95	52.50	—	59.95	74.95
ND 4x	20.95	20.95	20.95	14.95	14.95	14.95	14.95	17.95	26.95	26.95	34.50	41.95	52.50	97.50	59.95	74.95
ND 8x	20.95	20.95	20.95	14.95	14.95	14.95	14.95	17.95	26.95	26.95	34.50	41.95	52.50	97.50	59.95	74.95
Split Field	—	—	—	—	29.95	29.95	29.95	32.95	35.95	35.95	44.95	—	—	—	—	—
Close-Up Set	—	—	—	—	34.50	34.50	34.50	39.95	54.95	54.95	74.95	82.50	—	—	49.95	—
Macro Close-Up	—	—	—	—	74.95	74.95	74.95	—	—	—	—	—	—	—	—	—

### Special Effects (Spot) Filters

#### Center Spot

A close-up lens with a hole in the center. The outside of the picture is a delicate soft focus effect, while the central image is sharply in focus.

Item #.....**HOC**S( )

#### Color Spot

A colored glass filter with a hole in its center.

#### Color Spot Green

Item #.....**HOC**SG( )

#### Color Spot Yellow

Item #.....**HOC**SY( )

#### Color Spot Red

Item #.....**HOC**SR( )

#### Color Spot Gray

Item #.....**HOC**SGR( )



Taken with  
a Soft Spot  
(Sand)

#### Soft-Spot Set (Sand Screen & Soft Screen)

Both have a clear center spot which makes the central image stand out clearly. *Sand Screen* has a smoky appearance while *Soft-Spot* has an irregularly uneven surface, with the size of the clear part in the center varying, depending upon the lens and aperture used.

Item #.....**HOC**SS( )

#### Misty Spot Filters

Four types available: *Breeze*, *Gradual*, *Halo* and *Windmill*. They have a sharp central image with a pleasant blurring of the outer field. With *Gradual*, blurring appears to emanate from the center. *Breeze* has a unidirectional streaky blurring of background. With *Windmill*, blurring appears to swirl about the center, while with *Halo*, blur appears to radiate from a single point at the edge of the field.

#### Misty Spot Breeze

Item #.....**HOM**SB( )

#### Misty Spot Halo

Item #.....**HOM**SH( )

#### Misty Spot Gradual

Item #.....**HOM**SG( )

#### Misty Spot Windmill

Item #.....**HOM**SW( )



Misty Spot Breeze, Misty Spot Gradual, Misty Spot Halo, Misty Spot Windmill

### Special Effects Filters, continued

#### PRICES FOR SPECIAL EFFECT (SPOT) FILTERS

FILTER SIZE:	49	52	55	58	62	67	72	77
Center Spot	19.50	19.50	19.50	20.95	26.95	26.95	34.50	—
Color Spot Green	32.95	32.95	32.95	37.50	46.50	46.50	55.50	68.95
Color Spot Yellow	32.95	32.95	32.95	37.50	46.50	46.50	55.50	68.95
Color Spot Red	32.95	32.95	32.95	37.50	46.50	46.50	55.50	68.95
Color Spot Gray	32.95	32.95	32.95	37.50	46.50	46.50	55.50	68.95
Soft-Spot (Set)	29.95	29.95	29.95	34.50	44.95	44.95	53.95	55.95
Misty Spot Breeze	20.95	20.95	20.95	—	—	—	—	—
Misty Spot Gradual	20.95	20.95	20.95	—	—	—	—	—
Misty Spot Halo	20.95	20.95	20.95	—	—	—	—	—
Misty Spot Windmill	20.95	20.95	20.95	—	—	—	—	—

### Special Effects (Half Color, Graduated Color, Dual Color) Filters

#### Half Color

Half color and half clear filter, mounted in a rotating frame. Available in half color blue, brown, emerald, light gray, dark gray, orange, pink, red, violet and yellow. Used for creative color effects.

##### Half Color Blue

Item #.....HOHCBL( )

##### Half Color Orange

Item #.....HOHCO( )

##### Half Color Brown

Item #.....HOHCBR( )

##### Half Color Pink

Item #.....HOHCP( )

##### Half Color Emerald (Green)

Item #.....HOHCGR( )

##### Half Color Red

Item #.....HOHCR( )

##### Half Color Light Gray

Item #.....HOHCLG( )

##### Half Color Violet

Item #.....HOHCV( )

##### Half Color Dark Gray

Item #.....HOHCDG( )

##### Half Color Yellow

Item #.....HOHCY( )

#### Dual Color

A two color, half each Orange/Green, Yellow/Pink or Red/Blue. Made by sandwiching gelatin filters between two pieces of optical glass, mounted in a rotating frame. Can be used for creative color effects.

##### Dual Color Orange/Green

Item #.....HODCOG( )

##### Dual Color Red/Blue

Item #.....HODCRB( )

##### Dual Color Yellow/Pink

Item #.....HODCYP( )

#### Gradual (Graduated) Color

These are acrylic filters similar to half-color, except that color density gradually decreases near the center of the filter, allowing to emphasize foregrounds or backgrounds. Mounted in a rotated frame, 7 colors are available. Blue, Emerald, Gray, Mauve, Pink, Tobacco and Yellow. Color gradually fades out so that the boundary between the colored and transparent sections will not become apparent, even with the lens aperture stopped down.

##### Grad Color Blue

Item #.....HOGBL( )

##### Color Grad Pink

Item #.....HOGP( )

##### Grad Color Emerald

Item #.....HOGEL( )

##### Color Grad Tobacco

Item #.....HOGTO( )

##### Grad Color Gray

Item #.....HOGG( )

##### Color Grad Yellow

Item #.....HOGY( )

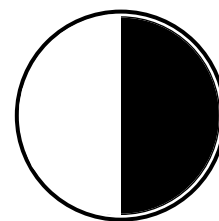
##### Color Grad Mauve

Item #.....HOGM( )

#### Dual Image

Half clear, half black filter. Used to take double exposures. The first half is exposed, and the filter is then rotated and exposed again on the same frame.

Item #.....HODI( )



*To order Special Effect Filters, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.*

#### PRICES FOR SPECIAL EFFECT (IMAGE/HALF COLOR/GRADUAL/DUAL) FILTERS

FILTER SIZE:	49	52	55	58	62	67	72	77
Half Color (Specify Color)	29.95	29.95	29.95	35.95	34.95	38.95	52.50	-
Dual Color (Specify Color)	29.95	29.95	29.95	32.95	-	-	-	-
Grad Color (Specify Color)	19.50	19.50	19.50	20.95	-	-	-	-
Dual Image	28.50	28.50	28.50	31.50	40.50	40.50	47.95	58.50

## S P E C I A L E F F E C T F I L T E R S

### Special Effects (Fog, Diffusers, Softener, Spectral Cross, Cross Screen) Filters

#### Fog Filters

Fog filter lightly veils the entire picture in white. Available in fog A and Fog B. Fog B has a stronger effect than Fog A. Both can be used together to produce an effect similar to dense fog. The effect can be varied by changing the aperture of the lens, but stopping down too far will reduce the effect.

Fog A  
Item #.....HOFA( )

Fog B  
Item #.....HOFB( )

Fog Filter Set  
Item #.....HOFS( )

#### Diffuser Filter

A diffuser filter gives an overall soft-focus effect, due to its irregular uneven surface.

Item #.....HOD( )

#### Duto Filter

A Duto filter is similar to a diffuser, with the center of the picture usually sharper - due to its fine concentric lines etched on its surface.

Item #.....HOD( )Q

#### Softener Filter

The surface of this filter resembles minute droplets of water. This scatters light and results in a soft focus image, creating a picture with a clear focus and soft gradation. Available in A and B. Softener B has a stronger effect than Softener A.

Soft A  
Item #.....HOSA( )

Soft B  
Item #.....HOSB( )

#### Spectral Cross

Sandwiched black gauze-like fiber between two pieces of colorless, transparent optical glass in a rotating frame. Produces both soft-focus and cross effects. Soft-focus effect is obtained for portraits, outdoors with direct lighting, while back lighting or point light sources at night create heightened cross effects. The effect is somewhat softer than with cross screen, and diffraction of light produces a slight amount of flare.

Item #.....HOSC( )

#### Cross Screen (Star 4)

Can be used as a soft focus filter. Also adds a dramatic four cross flare to very bright areas. Ideal for photographing jewelry or objects with strong reflections.

Item #.....HOCS4( )

*To order Special Effect Filters, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.*

### PRICES FOR SPECIAL EFFECT (FOG/DIFFUSER/SOFTENER/CROSS/CROSS SCREEN) FILTERS

FILTER SIZE:	39	40.5	43	46	49	52	55	58	62	67	72	77	82	B50	B60
Fog A or B	-	-	-	-	20.95	20.95	20.95	22.50	-	-	-	-	-	-	-
Fog Set A & B	-	-	-	-	37.50	37.50	37.50	44.95	56.95	56.95	67.50	83.95	-	-	-
Diffuser	20.95	20.95	20.95	14.95	14.95	14.95	14.95	17.95	26.95	26.95	34.50	41.95	52.50	59.95	74.95
Duto	20.95	20.95	20.95	14.95	14.95	14.95	14.95	17.95	26.95	26.95	34.50	41.95	52.50	59.95	74.95
Softener A or B	-	-	-	-	25.50	25.50	25.50	28.50	41.95	41.95	47.95	50.95	-	-	-
Spectral Cross	-	-	-	-	28.50	28.50	28.50	29.95	-	-	-	-	-	-	-
Cross Screen (Star 4)	20.95	20.95	20.95	14.95	14.95	14.95	14.95	17.95	26.95	26.95	34.50	41.95	52.50	59.95	74.95

### Special Effects (Color Polarizers) Filters

The color polarizer filters are a combination of gray polarizer and a combined choice of four colors, orange, red, yellow or blue. Any color from gray to the full color of the filter can be obtained by rotating the filter.

PL Color Orange  
Item #.....HOPO( )

PL Color Yellow  
Item #.....HOPY( )

PL Color Red  
Item #.....HOPR( )

PL Color Blue  
Item #.....HOPBL( )

*To order Special Effect Filters, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.*

### PRICES FOR SPECIAL EFFECT (COLOR POLARIZER) FILTERS

FILTER SIZE:	49	52	55	58	62	67	72
PL Color (Specify Color)	53.95	53.95	53.95	59.95	73.50	73.50	86.95

### Special Effects (Polarizers) Filters, *continued*

#### Pol-Fader

A combination of two gray polarizing filters set in independently rotating frames. Rotating the frames varies the amount of light passed. Useful with exceptionally strong light sources, such as in solar photography, scientific applications, etc. Can also be used with video and cine cameras as a fade out tool.

Item #.....HOVF( )

#### Vario PL-Color

This filter is a combination of one gray polarizing filter and two-colored polarizing filters, red-blue, red-green, yellow-blue, yellow-green or yellow-red. The color can be varied by rotating the filter frames. Many color possibilities help create new emotional effects never seen before.

#### Vario PL Red-Blue

Item #.....HOVPRB( )

#### Vario PL Red-Green

Item #.....HOVPRG( )

#### Vario PL Yellow-Blue

Item #.....HOVPYB( )

#### Vario PL Yellow-Green

Item #.....HOVPYG( )

#### Vario PL Yellow-Red

Item #.....HOVPYR( )

### PRICES FOR SPECIAL EFFECT (POLARIZER) FILTERS

FILTER SIZE:	49	52	55	58
Pol-Fader	43.50	43.50	43.50	—
Vario PL Color (Specify color)	55.50	55.50	55.50	59.95

*To order Special Effect Filters, just insert filter diameter (FILTER SIZE in chart above) after the item number of filter desired.*

### Star Filters

#### Cross Filter (Star 4)

Can be used as a soft focus filter. Also adds a dramatic four cross flare to very bright areas. Ideal for photographing jewelry or objects with strong reflections.

Item #.....HOCS4( )

#### Star 6

6 pointed stars from bright, reflective objects. Rotatable.

Item #.....HOS6( )

#### Star 8

8 pointed stars from bright and reflective objects. Rotatable.

Item #.....HOS8( )

#### Variocross

Two colorless glass plates with etched parallel lines on each surface and set in independent rotating frames. By rotating these frames, the effect can be varied to produce any desired expression for any highly reflective scene.

Item #.....HOVC( )

Taken  
with a  
Star 4  
filter

Taken  
with a  
Star 6  
filter

Taken  
with a  
Star 8  
filter



*To order Special Effect Filters, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.*

### PRICES FOR SPECIAL EFFECT (SPLIT/STARS) FILTERS

FILTER SIZE:	39	40.5	43	46	49	52	55	58	62	67	72	77	82	B50	B60
Cross Star 4	20.95	20.95	20.95	14.95	14.95	14.95	14.95	17.95	26.95	26.95	34.50	41.95	52.50	59.95	74.95
Star 6	—	—	—	—	20.95	20.95	20.95	23.95	34.50	34.50	40.50	44.95	—	—	—
Star 8	—	—	—	—	20.95	20.95	20.95	23.95	34.50	34.50	40.50	44.95	—	—	—
Vario Cross	—	—	—	—	50.95	50.95	50.95	50.95	—	—	—	—	—	—	—



## SPECIAL EFFECTS AND MULTICOATED FILTERS

### Special Effects (Multivision) Filters

Made of optical glass precisely cut into a variety of facets, mounted in a rotatable mount. Multivision helps create exotic, fantastic compositions of color patterns and combinations. Effect is strongest with relatively dark background and at larger apertures. The multi-images appear closer together with wide-angle lenses and farther apart with telephoto lenses.

#### Multivision 3-Facet

Item #.....HOMV3F( )

#### Multivision 3-Parallel Facet

Item #.....HOMV3PF( )

#### Vario Multivision

Two 2-face Multivisions set in independent rotating frames. Creates multi-images that can vary from 2 to 4-face by rotating the frames.

Item #.....HOVMV( )

#### Multivision 5-Facet

Item #.....HOMV5F( )

#### Multivision 6-Facet

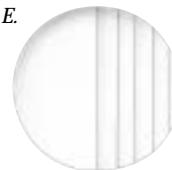
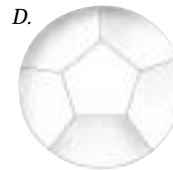
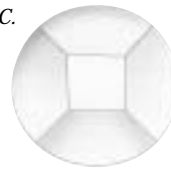
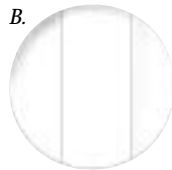
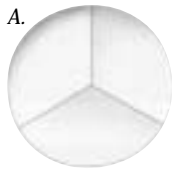
Item #.....HOMV6F( )

#### Multivision 6-Parallel Facet

Item #.....HOMV6PF( )

### MULTIVISION FILTERS

FILTER SIZE:	49	52	55	58	62	67	72	77
Multivision 3F	44.95	44.95	44.95	50.95	67.50	67.50	82.50	88.50
Multivision 3PF	44.95	44.95	44.95	50.95	67.50	67.50	82.50	88.50
Multivision 5F	50.95	50.95	50.95	56.95	82.50	82.50	101.95	104.95
Multivision 6F	55.50	55.50	55.50	71.95	86.95	86.95	109.50	119.95
Multivision 6PF	55.50	55.50	55.50	71.95	86.95	86.95	109.50	119.95
Vario MultiVision	74.95	74.95	74.95	—	—	—	—	—



A. 3F  
B. 3PF  
C. 5F  
D. 6F  
E. 6PF

### Multi-Coated Filters

Minimize light reflections on the filter surfaces to reduce ghost and flare by allowing more light to pass through. The result is sharp contrast and well balanced color. A must for obtaining the performance built into multi-coated lenses. The types of Hoya multi-coated filters are shown below.

### PRICES FOR MULTI-COATED FILTERS

FILTER SIZE:	ITEM #	46	49	52	55	58	62	67	72	77	82	B60
Skylight 1B (HMC)	HOSLMC( )	14.95	14.95	14.95	14.95	17.95	25.50	25.50	32.95	38.95	50.95	74.95
Ultraviolet (HMC)	HOUMVC( )	14.95	14.95	14.95	14.95	17.95	25.50	25.50	32.95	38.95	50.95	74.95
Circular Polarizer (HMC)	HOCPMC( )	54.95	54.95	54.95	54.95	59.95	74.95	74.95	99.95	134.95	199.95	-
Yellow K2 (HMC)	HOYMC( )	19.50	19.50	19.50	19.50	22.50	31.50	31.50	37.50	44.95	53.95	-
Orange G (HMC)	HOOMC( )	19.50	19.50	19.50	19.50	22.50	31.50	31.50	37.50	44.95	53.95	-
Red 25A (HMC)	HORMC( )	19.50	19.50	19.50	19.50	22.50	31.50	31.50	37.50	44.95	53.95	-
Yellow Green XO (HMC)	HOYGMC( )	19.50	19.50	19.50	19.50	22.50	31.50	31.50	37.50	44.95	53.95	-
Green X1 (HMC)	HOGRCMC( )	19.50	19.50	19.50	19.50	22.50	31.50	31.50	37.50	44.95	53.95	-
80A (HMC)	HO80AMC( )	19.50	19.50	19.50	19.50	22.50	31.50	31.50	37.50	44.95	53.95	-
80B (HMC)	HO80BMC( )	19.50	19.50	19.50	19.50	22.50	31.50	31.50	37.50	44.95	53.95	-
81A (HMC)	HO81AMC( )	19.50	19.50	19.50	19.50	22.50	31.50	31.50	37.50	44.95	53.95	-
81B (HMC)	HO81BMC( )	19.50	19.50	19.50	19.50	22.50	31.50	31.50	37.50	44.95	53.95	-
82A (HMC)	HO82AMC( )	19.50	19.50	19.50	19.50	22.50	31.50	31.50	37.50	44.95	53.95	-
85 (HMC)	HO85MC( )	19.50	19.50	19.50	19.50	22.50	31.50	31.50	37.50	44.95	53.95	-
85B (HMC)	HO85BMC( )	19.50	19.50	19.50	19.50	22.50	31.50	31.50	37.50	44.95	53.95	-
ND 2X (HMC)	HOND2MC( )	19.50	19.50	19.50	19.50	22.50	31.50	31.50	37.50	44.95	53.95	-
ND 4X (HMC)	HOND4MC( )	19.50	19.50	19.50	19.50	22.50	31.50	31.50	37.50	44.95	53.95	-
FL-Day (HMC)	HOFLDMC( )	-	19.50	19.50	19.50	22.50	31.50	31.50	37.50	44.95	-	-
FL-W (HMC)	HOFLWMC( )	19.50	19.50	19.50	19.50	22.50	31.50	31.50	37.50	44.95	-	-
Close-Up Set (HMC)	HOCUSMC( )	49.50	49.50	49.50	49.50	55.50	74.95	74.95	-	-	-	-

# HOYA

## FILTERS

### Super Multi Coated Filters

These filters use the highest quality coating process in the industry to match the performance of professional lenses made today. The Hoya super multicoated filters have a unique seven layer multicoating (HMC) applied to its rear surface. This is necessary to eliminate any internal reflections which cause ghosting within the camera lens; the end result is clearer, sharper images. (Multicoating of the front surface is not necessary because difference in light transmission is negligible.

#### Skylight (1B)

Reduces the excessive bluishness that frequently occurs in outdoor color photography. It provides great outdoor shots with superb color balance and clarity under all conditions. Keeps skin tones free of colored reflections from nearby objects. Also serves as a permanent lens protector.

Item #.....HOSLSMC( )

#### Ultraviolet (0)

Absorbs the ultraviolet rays which often makes outdoor photographs hazy and indistinct. A multi-purpose fine weather filter for color, as well as black and white films. This filter can also serve as a permanent lens protector.

Item #.....HOUVSMC( )

#### Ultra Thin Circular Polarizer

Eliminates undesired reflections from non-metallic surfaces. Similar to an ordinary polarizing filter, except the light rays are circular, not linear, after passing through the filter. One of its most noticeable features is its ultra-thin profile. The front female threading has been removed making the Super CIR-Polarizer only 5mm thin. This low profile means that there is no chance of any vignetting, a problem many photographers run into when using today's ultra wide angle lenses with thicker traditional polarizers.

Item #.....HOCPSMC( )

#### Neutral Density 2x

Neutral density filters are used to control the amount of light entering the camera lens. This adjusts film speed, lowers the shutter speed for special effects and decreases the depth-of-field. Reduces 1 f-stop.

Item #.....HOND2SMC( )

#### Neutral Density 4x

Same as above, but reduces 2 f-stops.

Item #.....HOND4SMC( )

*To order Sky, UV Protector and Polarizer Filters, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.*

### PRICES FOR SUPER MULTI COATED FILTERS

FILTER SIZE:	52	55	58	62	67	72	77
Skylight 1B (SMC)	22.50	22.50	28.50	34.50	34.50	39.95	44.95
Ultraviolet (SMC)	22.50	22.50	28.50	34.50	34.50	39.95	44.95
Ultra Thin Circular Polarizer (SMC)	54.95	54.95	59.95	74.95	74.95	109.95	139.95
ND 2X (SMC)	22.50	22.50	28.50	30.00	31.50	31.50	31.50
ND 4X (SMC)	22.50	22.50	28.50	28.50	28.50	28.50	28.50

### Special Effects (Intensifier) Filters

#### Intensifier

The Intensifier will increase (enhance) the saturation of colors in the red end of the spectrum (red and orange) while leaving colors at the blue-green end of the spectrum nearly unaffected. This makes it perfect for autumn foliage, or photographing brightly colored flowers. This filter is similar to the Tiffen Enhancing Filter or other manufacturers didymium filters.

Item #.....HOE( )



Taken without a filter



Shown with Intensifier effect

*To order Intensifier Filters, just insert filter diameter (FILTER SIZE in chart below) after the item number of filter desired.*

### PRICES FOR INTENSIFIER FILTERS

FILTER SIZE:	49	52	55	58	62	67	72	77
Intensifier (Enhancing)	32.95	32.95	32.95	41.95	53.95	53.95	59.95	71.95

# TIFFEN

## POLARIZER FILTERS

Just as a painter's palette provides the artist with a variety of colors to create beautiful works of art, filters offer the novice picture-taker and seasoned professional a host of basic tools that add strokes of color and contrast to produce better photographs.

As you learn the basics of how and why these filters work to enhance your images, you will soon be amazed at the photographic artistry filters put within your reach. Filters are easy to use - just attach them to the front of your lens. It is as simple as that.

*To order Tiffen filters, just insert filter diameter (FILTER SIZE in charts below) after the item number of filter desired.*

STANDARD SIZES			
SIZE	CODE	SIZE	CODE
37mm	37	67mm	67
40.5mm	40.5	72mm	72
43mm	43	77mm	77
46mm	46	82mm	82
49mm	49	for Cokin P	CP
52mm	52	for Cokin P-XL	PXL
55mm	55	3x3" for Lindahl	33L
58mm	58	4x4" for Lee/Calumet	44L
Bay 60 Hass	B60	4x5.65" for Lee	45L
62mm	62	<i>Subject to change without notice</i>	

SPECIAL SIZES			
SIZE	CODE	SIZE	CODE
Series 9	S9	4 x 4" Square	44
86mm Medium	86M	4 1/2" Round	4.5
86mm Coarse	86C	4 x 5.65" (3mm thick)	45P
95mm	95	4x5"	45
105mm	105	5x5" Square	55Q
138mm	138	5x6"	56
2 x 2" Square	22	6 x 6" Square	66
3 x 3" Square	33	6.6 x 6.6" Square	6.6
3x4"	34	<i>Subject to change without notice</i>	

### Polarizer Filters

Polarizers let you deepen and intensify blue skies, achieve vibrant color saturation, reduce or eliminate glare and reflections from non-metallic objects and glass surfaces, and minimize haze in both color and black-and-white photography. They can be rotated to determine the amount of reflection to be removed. Rotate the polarizer to change blue sky densities from light to dark blue. Create dramatic contrast between blue skies and white clouds.

Standard linear polarizers are used with many cameras, while the cir-

cular polarizer is used on cameras with beam splitting metering systems commonly found on automatic SLR and autofocus cameras. Check your camera manual for the metering system employed. A circular polarizer can be effectively used with all cameras.

You can, in all cases, see the effect through the filter. If you are not using an automatic camera or have your camera on manual setting, both filters require that you open the lens from 1 1/2 to 2 f-stops.

You can combine them with other filters to maximize special effects.

#### Linear Polarizer Filter

Round filters are built with a rotating mount. Square, rectangular and drop-in are rotated in its holder. (See Lindahl, etc.)

Item #.....TIP( )

#### Circular Polarizer Filter

Same as the Linear Polarizer Filter, but for autofocus and beam splitting metering system cameras. Can be used effectively with all cameras.

Item #.....TICP( )

#### Warm Polarizer (Linear)

Same as standard Polarizer Filter, plus it deepens blue skies, saturates colors and reduces or eliminates glare from water or window surfaces. The warmer color is added to give you the benefit of maximum color enhancement of all colors, especially outdoors when used to photograph people.

Item #.....TIWP( )

*To order Tiffen Polarizer filters, just insert filter diameter (FILTER SIZE in charts below) after the item number.*

### PRICES FOR STANDARD SIZES OF POLARIZER FILTERS

FILTER SIZES:	37	40.5	46	49	52	55	58	B60	62	67	72	77	82	CP	33L	44L
Polar (Linear)	-	-	17.50	17.50	17.50	17.50	20.50	58.75	26.00	26.00	40.50	40.50	53.50	78.25	98.00	112.50
Circ Polarizer	34.95	34.95	34.95	34.95	34.95	34.95	36.95	-	50.50	50.50	67.50	67.50	99.95	-	-	-
Warm Pol (Lin)	-	-	29.75	29.75	29.75	29.75	36.95	83.25	45.50	45.50	59.75	59.75	86.25	72.00	98.00	112.50

### PRICES FOR SPECIAL SIZES OF POLARIZER FILTERS

FILTER SIZES:	DIS9	S9	86	SI95	95	SI105	105	DI138	138	22	33	34	44	4.5	4.5	45P	45	55Q	56	66	6.6
Pol (Linear)	95.50	109.95	118.50	189.95	360.00	184.95	360.00	259.95	279.95	100.00	100.00	136.95	137.00	186.00	194.95	276.95	254.95	284.95	284.95	284.95	284.95
Warm Polarizer	114.95	95.50	127.75	184.95	360.00	184.95	360.00	259.95	279.95	100.00	100.00	136.95	137.00	186.00	194.95	276.95	284.95	284.95	284.95	284.95	284.95

♦ = Rotating

♣ = Screw-In Non-Rotating

♣ = Drop-In Non-Rotating



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

### Protective and Ultraviolet (UV) Filters

Sky and Haze filters protect your front lens from dust, moisture, and scratches and can be left on at all times. They provide correction for Ultraviolet light which can register on film and videotape as a bluish cast and obscure distant details. Ultraviolet filters allow you to correct

for the UV effect to varying degrees. You must distinguish between atmosphere UV-haze and haze created by smog and pollution. Smog and pollution are comprised of opaque particles that absorb light as well as UV light and will not be appreciably affected by a UV filter.

#### UV Protector

Provides lens protection against scratches, dust, dirt, moisture and fingerprints, while reducing unwanted ultra-violet light.

Item #.....TIUVP( )

#### Sky 1-A

A general-use filter that absorbs a significant amount of UV light to ensure sharper detail and is slightly tinted for better colors. It is useful when shooting in outdoor open shade and on overcast days.

Item #.....TISL( )

#### Haze-1

Helpful when photographing mountain and marine scenes, where increased haze threatens to make your photographs indistinct in color and clarity. This filter absorbs greater UV light than a Sky 1-A.

Item #.....TIUV( )

#### UV15

Haze filter for 3200°K film with photofloods.

Item #.....TIUV15( )

#### UV16

Reduces excessive blue in electronic flash. Can also be used for haze correction.

Item #.....TIUV16( )

#### UV17

Greater haze correction, reduces blue in shade.

Item #.....TIUV17( )

#### Haze 2A

For shooting at high altitudes, where UV light is prevalent and greater absorption necessary.

Item #.....TIUV2A( )



### SPECIFICATIONS

FILTER:	UV LIGHT ABSORPTION:
UV Protector	22%
Sky 1-A	45.5%
Haze 1	71%
UV 15	81%
UV 16	86.5%
UV 17	97%
Haze 2A	Virtually all UV light

**Note:** UV light absorption figures shown are measured at 400 nanometers (the boundary point between visible and UV light) - an industry reference standard. All technical information is subject to manufacturing tolerances and subject to change without notice. This data is provided for point of reference only.

**To order Tiffen Protective and Ultraviolet filters, just insert filter diameter (FILTER SIZE in charts below) after the item number.**

### PRICES FOR STANDARD SIZES OF PROTECTIVE AND ULTRAVIOLET (UV) FILTERS

FILTER SIZES:	37	40.5	43	46	49	52	55	58	B60	62	67	72	77	82
UV Protector	8.75	8.75	8.75	8.75	8.75	8.75	8.75	11.00	30.50	14.00	14.00	25.50	25.50	39.50
Sky 1A	10.50	10.50	10.50	10.50	10.50	10.50	10.50	12.95	49.00	16.50	16.50	29.50	29.50	39.50
Haze 1	10.50	10.50	8.95	10.50	10.50	10.50	10.50	12.95	49.00	16.50	16.50	29.50	29.50	39.50
UV 17	-	-	-	-	16.50	16.50	16.50	18.75	68.00	26.50	26.50	46.50	46.50	64.00
Haze 2A	-	57.50	-	-	16.50	16.50	16.50	18.75	68.00	26.50	26.50	46.50	46.50	64.00

### PRICES FOR SPECIAL SIZES OF PROTECTIVE AND ULTRAVIOLET (UV) FILTERS

FILTER SIZES:	S9	86	95	105	138	22	33	34	44	4.5	45P	45	55Q	56	66	6.6
Sky 1A	47.25	67.95	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.75	239.95	239.95	239.95	239.95	239.95
Haze 1	47.25	67.95	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.75	239.95	239.95	239.95	239.95	239.95
UV 15	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.75	239.95	239.95	239.95	239.95	239.95
UV 16	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.75	239.95	239.95	239.95	239.95	239.95
UV 17	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.75	239.95	239.95	239.95	239.95	239.95
Haze 2A	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.75	239.95	239.95	239.95	239.95	239.95

## F I L T E R S F O R B L A C K A N D W H I T E

## Filters for Black and White Film

Color filters for black-and-white film perform a variety of filtration effects, including contrast control, enhanced skintones, tonal correction and more dramatic landscapes. To understand how these filters work, keep in mind that filters allow light of their own color to pass through while filtering out complementary colors - thus lightening objects of their own color and darkening those of the complementary color.

**Red**.....absorbs blue and green    **Yellow** .....absorbs blue    **Magenta**.....absorbs green  
**Green** .....absorbs blue and red    **Cyan**.....absorbs red    **Blue**.....absorbs red and green

Black and white film records tonal differences between colored objects as black, white and shades of gray. Since black and white film can be more sensitive to blue light than to other colors, blue appears lighter on film than to the human eye. That is why a photo of a sky often washes out to the point where any contrast between sky and clouds disappears. Some filters absorb light, so for proper exposure additional light exposures are given for each filter. Exposure compensation requirements are listed in f-stops. Most SLR and automatic cameras meter through the filter and will make the filter exposure compensation automatically. Manual f-stop compensation is required only when making manual adjustments using a hand-held or external light metering system.

## SPECIFICATIONS OF FILTERS FOR BLACK AND WHITE FILM

FOR MANUAL ADJUSTMENT INCREASE F-STOP			FOR MANUAL ADJUSTMENT INCREASE F-STOP			FOR MANUAL ADJUSTMENT INCREASE F-STOP		
FILTER	Daylight	Tungsten	FILTER	Daylight	Tungsten	FILTER	Daylight	Tungsten
#6 Yellow	½	½	#21 Orange	2½	2	#61 Dark Green	3½	3½
#8 Yellow	1	½	#11 Green	2	1½	#23A Light Red	2½	1½
#9 Yellow	1	½	#13 Green	2½	2	#25 Red	3	2½
#12 Yellow	1	½	#56 Light Green	2½	2½	#29 Dark Red	4½	2
#15 Deep Yellow	1½	1	#58 Dark Green	3	3	#47 Dark Blue	2½	3
#16 Orange	1½	1				#47B Dark Blue	3	4

Most of these filters will have different exposure compensations for daylight, as they will for tungsten film. Daylight is natural outdoor light. Tungsten light comes from incandescent bulbs.

**#6 Yellow Filter**

Darkens sky slightly and adds subtle definition to the clouds.

Item # .....TI6( )

**#8 Yellow 2 Filter**

Offers the most natural tonal correction possible for contrast in clouds against blue skies, as well as flowers and foliage. Great for landscapes.

Item # .....TI8( )

**#9 Yellow Filter**

Offers stronger cloud contrast for landscapes than #8 filter.

Item # .....TI9( )

**#12 Yellow Filter**

Great for aerial shots when you need to cut bluish haze.

Item # .....TI12( )

**#15 Deep Yellow Filter**

Captures dark, dramatic skies in landscapes, marine scenes and aerial photography with more dramatic effect than an #8 or #9 filter. Similar to orange color in other brands.

Item # .....TI15( )

**#16 Orange Filter**

Creates cloud/sky contrast that exceeds that of #15 Deep Yellow.

Item # .....TI16( )

**#21 Orange Filter**

Useful when shooting seascapes and to punch up contrast, rendering blue tones darker.

Item # .....TI21( )

**#11 Green 1 Filter**

Outdoor filter for pleasing flesh tones. Suited for portraits photographed against the sky. Maintains tonal ranges while greens are lightened.

Item # .....TI11( )

**#13 Green Filter**

For indoor photographs under tungsten lighting, especially male portraits. Renders flesh tones deep, swarthy and appealing.

Item # .....TI13( )

**#56 Light Green Filter**

Ideal when you want to capture good flesh tones while darkening blue skies.

Item # .....TI56( )

**#58 Dark Green Filter**

Lightens dark foliage considerably. Helps to achieve high contrast effects in photo-microscopy.

Item # .....TI58( )

**#61 Dark Green Filter**

The best filter when you want to lighten green foliage to a maximum degree.

Item # .....TI61( )

**#23A Light Red Filter**

Generally helpful when shooting objects (not people) and need to emphasize contrast. Ideal for architecture photography.

Item # .....TI23A( )

**#25 Red 1 Filter**

Creates dramatic sky effects, emphasizing cloud contrast for landscapes. Can simulate a moonlit scene at midday (with slight underexposure). Yields extreme contrast in skies, turns foliage white and cuts through fog and haze with infrared film.

Item # .....TI25( )

**#29 Dark Red Filter**

Fields extreme and spectacular sky effects and cloud contrast, causing dramatic tonal effects.

Item # .....TI29( )

**#47 Dark Blue Filter**

Accentuates haze and fog, creating dense, moody atmospheric effects in landscape and marine scenes.

Item # .....TI47( )

**#47B Filter**

This filter lightens the same color for more vivid detail.

Item # .....TI47B( )

**#87 Infrared Filter**

For infrared film when you want to transmit only the infrared spectrum. No visible transmission. The f-stop increase is based on use and processing.

Item # .....TI87( )

**#18A Filter**

Infra-red and ultra-violet transmitting; visible absorbing.

Item # .....TI18A( )



# TIFFEN

## F I L T E R S F O R B L A C K A N D W H I T E

GLASS FILTERS

362

### Filters for Black and White Film, continued

*To order Tiffen filters, just insert filter diameter (FILTER SIZE in charts below) after the item number.*

#### PRICES FOR STANDARD SIZES OF FILTERS FOR BLACK AND WHITE FILM

FILTER SIZES:	40.5	46	49	52	55	58	B60	62	67	72	77	82	CP
#8 Yellow	10.25	10.25	10.25	10.25	10.25	12.00	56.00	15.75	15.75	28.00	28.00	42.00	60.00
#9 Yellow	-	-	16.50	16.50	16.50	-	-	26.50	26.50	46.50	-	64.00	-
#12 Yellow	57.50	-	16.50	16.50	16.50	18.75	68.00	26.50	26.50	46.50	46.50	64.00	-
#15 Deep Yellow	10.25	-	10.25	10.25	10.25	12.00	56.00	15.75	15.75	28.00	28.00	42.00	60.00
#16 Orange	57.50	-	16.50	16.50	16.50	18.75	68.00	26.50	26.50	46.50	46.50	64.00	-
#21 Orange	-	-	16.50	16.50	16.50	18.75	68.00	26.50	26.50	46.50	46.50	64.00	-
#11 Green	10.25	10.25	10.25	10.25	10.25	12.00	56.00	15.75	15.75	28.00	28.00	42.00	60.00
#58 Dark Green	57.50	16.50	16.50	16.50	16.50	18.75	68.00	26.50	26.50	46.50	46.50	64.00	-
#23A Light Red	57.50	16.50	16.50	16.50	16.50	18.75	68.00	26.50	26.50	46.50	46.50	-	-
#25 Red	10.25	10.25	10.25	10.25	10.25	12.00	56.00	15.75	15.75	28.00	28.00	42.00	60.00
#29 Dark Red	57.50	-	16.50	16.50	16.50	18.75	68.00	26.50	26.50	46.50	46.50	64.00	-
#47 Dark Blue	-	-	16.50	16.50	16.50	18.75	68.00	26.50	26.50	46.50	46.50	64.00	-
#47B Dark Blue	-	-	16.50	16.50	16.50	18.75	68.00	26.50	26.50	46.50	46.50	64.00	-
#87 Infrared	-	-	92.50	92.50	92.50	92.50	-	114.95	114.95	138.50	138.50	152.50	-
#18A	-	-	92.50	92.50	92.50	92.50	-	114.95	114.95	138.50	138.50	152.50	-

#### PRICES FOR SPECIAL SIZES OF FILTERS FOR BLACK AND WHITE FILM

FILTER SIZES:	S9	86	95	105	138	22	33	34	44	4.5	45P	45	55Q	56	66	6.6
#6 Yellow	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
#8 Yellow	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
#9 Yellow	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
#12 Yellow	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
#15 Deep Yellow	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
#16 Orange	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
#21 Orange	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
#11 Green	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
#13 Green	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
#56 Lt Green	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
#58 Dark Green	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
#61 Dark Green	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	182.95	239.95	239.95
#23A Lt Red	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
#25 Red	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
#29 Dark Red	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
#47 Dark Blue	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
#47B Dark Blue	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95

**Used Equipment Bought, Sold and Traded**

For the majority of situations, there are two types of color film used; film for taking pictures outdoors (daylight corrected film) and film for use indoors with incandescent lighting (tungsten corrected film). If daylight film is used indoors without a flash, your images will have an unwanted red-yellow cast, and if your tungsten film is used outdoors, your photos will appear with a blue cast to them. Filters provide a simple solution for producing natural colors. If you need the most accurate color rendition in your scene, you should use a color temperature meter to measure the color temperature of any light source. Color

temperature is measured in degrees Kelvin (K). Kelvin degrees inform us as to what the balance of cool and warm wavelengths is that makes up the light we are considering. Sunlight, for example, has a color temperature of @ 5500°K as compared to tungsten lamps which are in the 3200-3400°K range. Understanding what this all means becomes easier when you notice that the higher the Kelvin degrees, the bluer the light and as the Kelvin degrees drop, the light becomes warmer. For best results, use the filter that most accurately matches your film type to the available light you are shooting in.

### Color Conversion Filters



#### 80 Series (Cool Filters)

Use this series of filters when you have daylight corrected film (most commonly used) in your camera and you want to shoot indoors without a flash.

##### 80A Filter

Balances daylight film for studio lighting and copy stand lighting. (3200°K)

Item #.....TI80A( )

##### 80B Filter

Balances daylight film for photo flood-lamps. (3400°K)

Item #.....TI80B( )

##### 80C Filter

Balances daylight film for strobe light. A bit cooler than the 80B Filter.

Item #.....TI80C( )

#### 81 Series (Warm Filters)

These filters are useful when shooting with daylight corrected film outside on an overcast day, in open shade under trees, or with an electronic flash in situations that emphasize cooler tones. The 81 series will add warmth to the scene to achieve better color. In this series, as the letters advance, intensity increases and warmer results are achieved.

##### 81 Filter

Balances daylight film for electronic flash.

Item #.....TI81( )

##### 81A Filter

Balances daylight film for use with electronic flash. Same as 81, but a bit warmer.

Item #.....TI81A( )

##### 812 Filter

Improves skin tone and is ideal for portraits taken on a cloudy day or under trees. It absorbs the blue cast often caused by electronic flash and adds warmth to pale, washed-out skin tones. Can be used in place of a Sky 1-A for warmer results.

Item #.....TI812( )

##### 81B Filter

Balances Type B film for use with 3400°K lamps.

Item #.....TI81B( )

##### 81C Filter

Balances Type A or Type B film with clear flash.

Item #.....TI81C( )

##### 81D Filter

Will render warmer results than 81C filter. For warmth of a sunset.

Item #.....TI81D( )

##### 81EF Filter

Balances Type A film (3400°K), producing warmest results. Recommended for sunsets.

Item #.....TI81EF( )

#### 82 Series (Cool Filters)

The 82 Series filters help reduce unnatural red tones when filming in the early morning or late afternoon light. In this series, as the letters advance, intensity increases and cooler results are achieved.

##### 82 Filter

For any 100% increase in Kelvin temperature.

Item #.....TI82( )

##### 82A Filter

Balances Type A film for use with 3200°K lamps.

Item #.....TI82A( )

##### 82B Filter

Balances Type B film for use with 3200°K lamps.

Item #.....TI82B( )

##### 82C Filter

Balances Type A film for use with 3200°K lamps.

Item #.....TI82C( )

#### 85 Series (Warm Filters)

The 85 Series (Warm Filters) is a must for shooting tungsten corrected film outdoors. These filters will produce natural colors in your pictures.



##### 85 Filter

Converts Type A film to daylight.

Item #.....TI85( )

##### 85B Filter

Converts Type B film to daylight.

Item #.....TI85B( )

##### 85C Filter

Produces warmer results with daylight film, cooler results with tungsten film.

Item #.....TI85C( )

**To order Tiffen filters, just insert filter diameter (FILTER SIZE in on next page) after the item number.**

### Color Conversion Filters, continued

PRICES FOR STANDARD SIZES OF COLOR CONVERSION FILTERS															
FILTER SIZES:	37	40.5	43	46	49	52	55	58	B60	62	67	72	77	82	CP
80A	-	10.95	-	10.95	10.95	10.95	10.95	12.00	56.00	15.75	15.75	27.25	27.25	42.00	60.00
80B	-	10.95	-	10.95	10.95	10.95	10.95	12.00	56.00	15.75	15.75	27.25	27.25	42.00	60.00
81A	-	10.95	-	10.95	10.95	10.95	10.95	12.00	56.00	15.75	15.75	27.25	27.25	42.00	60.00
812	-	10.95	9.95	10.95	10.95	10.95	10.95	12.00	56.00	15.75	15.75	27.25	27.25	42.00	60.00
81B	-	10.95	-	10.95	10.95	10.95	10.95	12.00	56.00	15.75	15.75	27.25	27.25	42.00	60.00
81C	-	-	-	-	16.75	16.75	16.75	18.95	68.00	26.50	26.50	46.25	46.25	64.00	60.00
81EF	-	-	-	-	16.75	16.75	16.75	18.95	68.00	26.50	26.50	46.25	46.25	64.00	60.00
82	-	57.50	-	16.75	16.75	16.75	16.75	18.95	68.00	26.50	26.50	46.25	46.25	64.00	60.00
82A	-	57.50	-	-	16.75	16.75	16.75	18.95	68.00	26.50	26.50	46.25	46.25	64.00	-
82B	-	57.50	-	-	16.75	16.75	16.75	18.95	68.00	26.50	26.50	46.25	46.25	64.00	-
85	-	57.50	-	-	16.75	16.75	16.75	18.95	68.00	26.50	26.50	46.25	46.25	64.00	-
85B	-	57.50	-	-	16.75	16.75	16.75	18.95	68.00	26.50	26.50	46.25	46.25	64.00	60.00
85C	-	57.50	-	-	16.75	16.75	16.75	18.95	68.00	26.50	26.50	46.25	46.25	64.00	60.00

PRICES FOR SPECIAL SIZES OF COLOR CONVERSION FILTERS																
FILTER SIZES:	S9	86	95	105	138	22	33	34	44	4.5	45P	45	55Q	56	66	6.6
80A	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
80B	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
80C	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
81	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
81A	47.25	69.95	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
812	47.25	59.95	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
81B	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
81C	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
81D	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
81EF	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
82	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
82A	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
82B	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
82C	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
85	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
85B	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95
85C	47.25	68.00	146.00	146.00	209.95	81.00	81.00	109.95	111.00	139.95	166.95	239.95	239.95	239.95	239.95	239.95

# TIFFEN

## FILTERS FOR COLOR

### COLOR CONVERSION FILTER SPECIFICATIONS

FILTER	MANUAL ADJUSTMENT INCREASE F-STOP	FILTER	MANUAL ADJUSTMENT INCREASE F-STOP	FILTER	MANUAL ADJUSTMENT INCREASE F-STOP	FILTER	MANUAL ADJUSTMENT INCREASE F-STOP
80A	2	812	$\frac{1}{8}$	81EF	$\frac{1}{8}$	82C	$\frac{2}{3}$
80B	$1\frac{1}{2}$	81B	$\frac{1}{8}$	82	$\frac{1}{8}$	85	$\frac{2}{3}$
80C	1	81C	$\frac{1}{8}$	82A	$\frac{1}{8}$	85B	$\frac{2}{3}$
81	$\frac{1}{8}$	81D	$\frac{2}{3}$	82B	$\frac{2}{3}$	85C	$\frac{1}{8}$
81A	$\frac{2}{3}$						

### Color Compensating Filters

Color Compensating filters are used to compensate for deficiencies in the color quality of light sources, deficiencies in film, reciprocity failure, etc. They come in different densities in 6 colors. With these filters you can remove unwanted color or experiment with color renditions to bring out the most desirable colors in a scene. They can be combined to produce just the tint and density necessary for a particular shot.

The Color Compensating filters are available in blue, cyan, green, magenta, red and yellow.

The CC30R filter is a red filter, recommended specifically for underwater photography with daylight film. Use it when you want to enhance warmer colors and to produce accurate color when shooting through water or tinted glass. F-stop increase  $\frac{2}{3}$  stop.

#### CC10B Blue Filter

Item #.....TICC10B( )

#### CC20B Blue Filter

Item #.....TICC20B( )

#### CC05C Cyan Filter

Item #.....TICC05C( )

#### CC05G Green Filter

Item #.....TICC05G( )

#### CC10G Green Filter

Item #.....TICC10G( )

#### CC20G Green Filter

Item #.....TICC20G( )

#### CC05M Magenta Filter

Item #.....TICC05M( )

#### CC10M Magenta Filter

Item #.....TICC10M( )

#### CC20M Magenta Filter

Item #.....TICC20M( )

#### CC30M Magenta Filter

Item #.....TICC30M( )



#### CC40M Magenta Filter

Item #.....TICC40M( )

#### CC50M Magenta Filter

Item #.....TICC50M( )

#### CC70M Magenta Filter

Item #.....TICC70M( )

#### CC05R Red Filter

Item #.....TICC05R( )

#### CC10R Red Filter

Item #.....TICC10R( )

#### CC20R Red Filter

Item #.....TICC20R( )

#### CC30R Red Filter

Item #.....TICC30R( )

#### CC40R Red Filter

Item #.....TICC40R( )

#### CC70R Red Filter

Item #.....TICC70R( )

#### CC05Y Yellow Filter

Item #.....TICC05Y( )

#### CC10Y Yellow Filter

Item #.....TICC10Y( )

#### CC20Y Yellow Filter

Item #.....TICC20Y( )

#### CC30Y Yellow Filter

Item #.....TICC30Y( )

#### CC40Y Yellow Filter

Item #.....TICC40Y( )

#### CC50Y Yellow Filter

Item #.....TICC50Y( )

#### CC70Y Yellow Filter

Item #.....TICC70Y( )

**To order Tiffen Compensating filters, just insert filter diameter (FILTER SIZE in charts below and on next page) after the item number.**

### PRICES FOR STANDARD SIZES OF COLOR COMPENSATING FILTERS

FILTER SIZE:	49	52	55	58	B60	62	67	72	77	86	CP
CC10M,20M	34.95	34.95	34.95	47.95	87.95	61.95	61.95	89.50	89.50	74.75	-
CC30M	-	34.95	34.95	47.95	87.95	61.95	61.95	89.50	89.50	74.75	60.00
CC40M	34.95	34.95	34.95	47.95	87.95	61.95	61.95	89.50	89.50	74.75	-

Some standard size Color Compensating Filters have a limited availability. Please confirm availability prior to ordering.

### Color Compensating Filters, continued

PRICES FOR SPECIAL SIZES OF COLOR COMPENSATING FILTERS							
FILTER SIZE:	S9	22	33	34	44	45P	6.6
CC10-20B	100.00	100.00	100.00	136.95	137.00	296.95	284.95
CC05C	100.00	100.00	100.00	136.95	137.00	296.95	284.95
CC05-10-20G	100.00	100.00	100.00	136.95	137.00	296.95	284.95
CC05-10-20-30-40M	100.00	100.00	100.00	136.95	137.00	296.95	284.95
CC50-70M	100.00	100.00	100.00	136.95	137.00	296.95	284.95
CC05-10-20-30-40R	100.00	-	100.00	136.95	137.00	296.95	284.95
CC05-10Y	100.00	100.00	100.00	136.95	137.00	296.95	284.95
CC20Y	100.00	100.00	100.00	136.95	137.00	296.95	284.95
CC30-40Y	100.00	100.00	100.00	136.95	137.00	296.95	284.95
CC50-70Y	100.00	100.00	100.00	136.95	137.00	296.95	284.95

### Fluorescent Light Correction Filters

Tiffen's FL-D and FL-B fluorescent light correction filters provide the perfect solution for obtaining pleasing skin tones and correct color while shooting without a flash under fluorescent lighting. The FL-D and FL-B filters give true-to-life color rendition by removing the harsh blue-green cast ordinarily resulting from filming under fluorescent bulbs. Use the FL-D with daylight film and the FL-B with tungsten film. Both filters work just as well with video, improving the camera's electronic white balance capability. For superior and dramatic color saturation of sunrises, sunsets and other creative applications not involving fluorescent lighting, use the FL-D and FL-B filters for breathtaking results.

SPECIFICATIONS			
FILTER	MANUAL ADJUSTMENT INCREASE F-STOP	FILTER	MANUAL ADJUSTMENT INCREASE F-STOP
FL-D	1	FL-B	1

FL-D Filter for Daylight Film

Item #.....TIFLD( )

FL-B Filter for Tungsten Film

Item #.....TIFLB( )

*To order Tiffen filters, just insert filter diameter (FILTER SIZE in charts below) after the item number.*

PRICES FOR TIFFEN FLUORESCENT LIGHT CORRECTION FILTERS									
FILTER SIZES:	37	40.5	43	46	49	52	55	58	B60
Fluorescent FL-D	14.50	14.50	14.50	14.50	14.50	14.50	14.50	18.75	56.00
Fluorescent FL-B	-	14.50	-	-	14.50	14.50	14.50	18.75	-
FILTER SIZES:	62	67	72	77	82	CP	86	S9	95
Fluorescent FL-D	23.50	23.50	37.00	37.00	66.95	60.00	90.00	100.00	186.00
Fluorescent FL-B	23.50	23.50	37.00	37.00	66.95	-	90.00	100.00	186.00
FILTER SIZES:	105	138	22	33	34	44	4.5	45P	6.6
Fluorescent FL-D	186.00	219.95	100.00	100.00	139.95	141.00	139.95	244.95	284.95
Fluorescent FL-B	186.00	219.95	100.00	100.00	139.95	141.00	139.95	244.95	284.95



# TIFFEN

## NEUTRAL DENSITY FILTERS

### N.D. Filters for Black & White and Color

#### Neutral Density Filter

Used to reduce the amount of light reaching the film with no selective absorption effects on colors. Available in several densities. Can be combined to provide the right density necessary for a particular shot. (To order - ND Should be followed by its density code).

Item # .....TIND( )

SPECIFICATIONS								
DENSITY	CODE	REDUCTION	DENSITY	CODE	REDUCTION	DENSITY	CODE	REDUCTION
ND .1	.1	1/8 f-stop	ND .6	.6	2 f-stops	ND .9	.9	3 f-stops
ND .2	.2	1/4 f-stop	ND .7	.7	2 1/2 f-stops	ND 1.0	1.0	3 1/2 f-stops
ND .3	.3	1 f-stop	ND .8	.8	2 3/4 f-stops	ND 1.2	1.2	4 f-stops
ND .5	.5	1 1/2 f-stop				ND 1.5	1.5	5 f-stops

### PRICES FOR NEUTRAL DENSITY FILTERS

FILTER SIZES:	40.5	43	46	49	52	55	58	B60	62	67	72	77	82	CP
ND .3, .6, .9	10.25	*9.75	10.25	10.25	10.25	10.25	12.00	56.00	15.75	15.75	28.00	28.00	42.00	60.00

\*.6 Only

FILTER SIZES:	S9	86	95	105	138	22	33	34	44	4.5	45P	45	55Q	56	66	6.6
ND .3, .6, .9	88.95	68.00	146.00	146.00	209.95	79.95	79.95	109.95	109.95	139.95	166.95	239.95	239.95	239.95	239.95	239.95
ND .1, .2, .4, .5, .7, .8, 1.0	88.95	79.95	146.00	146.00	209.95	79.95	79.95	109.95	109.95	139.95	166.95	239.95	239.95	239.95	239.95	239.95
ND 1.2, 1.5	106.95	86.95	-	-	244.95	96.95	96.95	138.95	138.95	172.95	199.95	269.95	269.95	269.95	269.95	269.95

## SPECIAL EFFECTS FILTERS

### Color Grad Filters

Half color, half clear filters with a smooth transition. Used to introduce color to a select part of a scene. They selectively tone down bright areas, add color excitement to a drab sky, change the specific color in a scene to create a special effect, enhance an existing color, or create subtle color drama. They create more balanced exposure in uneven lighting situation. Made from ground and polished glass

that feature superior optical properties, they are more scratch resistant than plastic, helping to ensure that the effect will not wash or rub off. The Academy Award-winning lamination process offers better resolution quality. They include a Cordura storage pouch and are made in the U.S.A. (When ordering, please include density number after the color code.)

Blue 1-5 Item #...TIGBL( )	Cranberry 1-3 Item #...TIGCR( )	Magenta 1-5 Item #....TIGM( )	Plum 1-3 Item #...TIGPL( )	Sunrise 1-3 Item #...TIGSR( )	Tropic Blue 1-3 Item #...TIGTB( )
Chocolate 1-3 Item #..TIGCH( )	Cyan 1-5 Item #..TIGC( )Q	Neutral Density (ND) 0.3, 0.6, 0.9, 1.2 Item #..TIGND( )	Red 1-5 Item #....TIGR( )	Sunset 1-3 Item #....TIGSS( )	Twilight 1-3 Item #...TIGTL( )
Cool Blue 1-5 Item #...TIGCB( )	Grape 1-3 Item #...TIGGP( )		Skyfire 1-3 Item #....TIGSF( )	Tangerine 1-3 Item #....TIGT( )	Yellow 1-5 Item #....TIGY( )
Coral 1/8, 1/4, 1/2, 1-5 Item #.....TIGC( )	Green 1-5 Item #..TIGGR( )	Pink 1-5 Item #.....TIGP( )	Straw 1-3 Item #...TIGST( )	Tobacco 1-3 Item #..TIGTO( )	

Unless specified, all Color Grads will be supplied as a *soft edge*. Depending on the size of the filter, the transition area on a 4x5" filter is between 1/2" to 2" wide before reaching full density. Transition area on a *hard edge* 4x5" filter is between 1/4" to 1/2" wide before reaching full density. Transition area on an attenuator filter takes place throughout the whole filter, starting clear and reaching its maximum density at the opposite end.



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

### Color Grad Filters, continued

*To order Tiffen filters, just insert filter diameter (FILTER SIZE in charts below) after the item number.*

#### PRICES FOR COLOR GRAD FILTERS

FILTER SIZE:	46	49	52	55	58	B60	62	67	72	77	CP	PXL	45L
Color Grad Blue 3	31.50	31.50	31.50	31.50	36.75	—	44.75	44.75	58.95	58.95	78.50	122.50	169.95
Color Grad Blue 1	—	—	—	—	—	—	—	—	—	—	—	—	169.95
Color Grad Grape 1-3	—	—	—	—	—	—	—	—	—	—	78.50	122.50	69.95
Color Grad ND 0.6	31.50	31.50	31.50	31.50	36.75	87.50	44.75	44.75	58.95	58.95	78.50	122.50	169.95
Color Grad ND 0.3,0.9	—	—	—	—	—	—	—	—	—	—	78.50	122.50	169.95
Color Grad Plum 1-3	—	—	—	—	—	—	—	—	—	—	78.50	122.50	169.95
Color Grad Straw 1-3	—	—	—	—	—	—	—	—	—	—	78.50	122.50	169.95
Color Grad Sunrise 1-3	—	*31.50	*31.50	*31.50	*36.75	—	*44.75	*44.75	*58.95	*58.95	—	122.50	169.95
Color Grad Sunset 1-3	—	—	—	—	—	—	—	—	—	—	78.50	122.50	169.95
Color Grad Tangerine 1-3	—	—	—	—	—	—	—	—	—	—	78.50	122.50	169.95
Color Grad Tobacco 1-3	—	—	—	—	—	—	—	—	—	—	78.50	122.50	169.95
Color Grad Tropic Blue 1-3	—	—	—	—	—	—	—	—	—	—	78.50	122.50	169.95

*\*Available only in Density #3*

FILTER SIZE:	86	34	44	45	45P	55Q	56	66	6.6
Color Grad Blue 1-5	159.95	173.95	173.95	368.95	276.95	368.95	368.95	368.95	368.95
Color Grad Choc 1, 2, 3	159.95	173.95	173.95	368.95	276.95	368.95	368.95	368.95	368.95
Color Grad Cool Blue 1-5	159.95	173.95	173.95	368.95	276.95	368.95	368.95	368.95	368.95
Color Grad Coral 1/8, 1/4, 1/2, 1, 2, 3, 4, 5	159.95	173.95	173.95	368.95	276.95	368.95	368.95	368.95	368.95
Color Grad Cranberry 1, 2, 3	159.95	173.95	173.95	368.95	276.95	368.95	368.95	368.95	368.95
Color Grad Cyan 1-5	159.95	173.95	173.95	368.95	276.95	368.95	368.95	368.95	368.95
Color Grad Grape 1, 2, 3	159.95	173.95	173.95	368.95	276.95	368.95	368.95	368.95	368.95
Color Grad Green 1-5	159.95	173.95	173.95	368.95	276.95	368.95	368.95	368.95	368.95
Color Grad Magenta 1-5	159.95	173.95	173.95	368.95	276.95	368.95	368.95	368.95	368.95
Color Grad ND 0.3, 0.6, 0.9	159.95	173.95	173.95	368.95	276.95	368.95	368.95	368.95	368.95
Color Grad ND 1.2	-	213.95	213.95	368.95	324.95	-	-	-	436.95
Color Grad Pink 1-5	159.95	173.95	173.95	368.95	276.95	368.95	368.95	368.95	368.95
Color Grad Plum 1, 2, 3	159.95	173.95	173.95	368.95	276.95	368.95	368.95	368.95	368.95
Color Grad Red 1-5	159.95	173.95	173.95	368.95	276.95	368.95	368.95	368.95	368.95
Color Grad Straw 1,2,3	159.95	173.95	173.95	368.95	276.95	368.95	368.95	368.95	368.95
Color Grad Skyfire 1, 2, 3	159.95	173.95	173.95	368.95	276.95	368.95	368.95	368.95	368.95
Color Grad Sunset 1, 2, 3	159.95	173.95	173.95	368.95	324.95	368.95	368.95	368.95	368.95
Color Grad Tangerine 1, 2, 3	159.95	173.95	173.95	368.95	276.95	368.95	368.95	368.95	368.95
Color Grad Tobacco 1, 2, 3	159.95	173.95	173.95	368.95	276.95	368.95	368.95	368.95	368.95
Color Grad Tropic Blue 1, 2, 3	159.95	173.95	173.95	368.95	276.95	368.95	368.95	368.95	368.95
Color Grad Twilight 1, 2, 3	159.95	173.95	173.95	368.95	276.95	368.95	368.95	368.95	368.95
Color Grad Yellow 1-5	159.95	173.95	173.95	368.95	276.95	368.95	368.95	368.95	368.95

*Rectangular Color Grads will be supplied 'vertical'. They are also available 'horizontal' for special applications.*

**Overnight Shipping Available**

# TIFFEN

## SPECIAL EFFECTS FILTERS

### Star Filters

Tiffen Star filters are one of the most creative and easy-to-use accessories you can own to add dazzling effects to your photography and videography.

Bright star line effects, which generate excitement and can enhance mood and glamour in a wide range of images, are created from either original light sources or bright reflections.

Sometimes a suitable source will not be obvious. If you look, you will find them in a variety of places. Star filters are frequently used to add sparkle to a water scene, candle flames, stadium spotlights at sporting and entertainment events, product photography of jewelry and crystal, street lamp scenes, sequined clothing, reflections off automobiles and contemporary architecture, and many other situations. Your ability to add interest to your images with star filters can be enhanced by a knowledge of how they work.

Star filters are made with precision-etched lines on clear optical glass. There are sets of parallel lines, each running in separate directions and spaced either 2, 3 or 4 millimeters apart, that determine the star's intensity and number of points.

Using a 4pt 2mm star filter produces very bright star points, because the lines are spaced only 2mm apart. This star filter can lower contrast, as dark areas in the image will lighten due to the flare of the star effect. This is ideal for scenes where you want the star lines to dominate.

The most commonly used star effect is the 4pt 2mm star filter. The 4pt 3mm filter are spaced further apart, producing finer, narrower stars with less effect on contrast. Perfectly suited for adding an accent of sparkle to an image, as the star lines are finer, less intense.

The Vector Star, the Hyper Star, Hollywood Star and North Star are stars that have asymmetrical designs with lines of different brightness, for a more natural looking star. Star filters are also produced in 6pt, 8pt and 12pt configurations.

It is important to realize that the brighter and larger a light source, the more pronounced the star effect will be. No exposure compensation is recommended.



Star Effect 6pt 2mm



Star Effect 4pt 2mm

**To order Star filters, insert the filter diameter (FILTER SIZE in chart below) after the item number.**

Star Effect 4 Pt. 2mm

Item# .....TIS4P2( )

Star Effect 6 Pt.

Item# .....TIS6P( )

Star Effect 8 Pt.

Item# .....TIS8P( )

Vector Star

Item # .....TIVS( )

Hyper Star

Item # .....TIHS( )

Hollywood Star

Item # .....TIHWS( )

North Star

Item # .....TINS( )

### PRICES FOR STAR FILTERS

FILTER SIZES:	37	43	46	49	52	55	58	B60	62	67	72	77	82
Star Effect 4pt 2mm	20.25	20.25	20.95	20.95	20.95	20.95	24.50	136.00	37.50	37.50	63.50	63.50	-
Star Effect 6pt 2mm	-	-	-	26.75	26.75	26.75	31.25	164.00	43.25	43.25	72.95	72.95	149.50
Star Effect 8pt 2mm	-	-	29.50	29.50	29.50	29.50	34.50	99.00	47.50	47.50	75.95	75.95	149.50
Vector Star (Hollywood F/X)	-	-	-	55.75	55.75	55.75	64.75	126.00	90.00	90.00	117.00	117.00	141.00
Hyper Star (Hollywood F/X)	-	-	66.50	66.50	66.50	66.50	77.50	151.25	108.00	108.00	140.00	140.00	168.25
Hollywood Star (Hollywood F/X)	-	-	66.50	66.50	66.50	66.50	77.50	151.25	107.95	107.95	140.00	140.00	168.25
North Star (Hollywood F/X)	-	-	-	66.50	66.50	66.50	77.50	151.25	107.95	107.95	140.00	140.00	168.25

♦ = ROTATING ♦ = SCREW-IN NON-ROTATING ♦ = DROP-IN NON-ROTATING

### Star Filters, continued

#### PRICES FOR ROTATING STAR FILTERS

FILTER SIZES:	S9	86	138	4.5
Star Effect 4pt 1mm, 2mm	179.95	187.95	286.95	244.95
Star Effect 4pt 3mm	179.95	187.95	286.95	244.95
Star Effect 4pt 4mm	179.95	187.95	286.95	244.95
Star Effect 6pt 2mm	179.95	187.95	286.95	244.95
Star Effect 6pt 3mm, 4mm	179.95	187.95	286.95	244.95
Vector Star (Hollywood F/X)	179.95	187.95	286.95	244.95
Hyper Star (Hollywood F/X)	204.95	209.95	337.95	269.95
Hollywood Star (Hollywood F/X)	204.95	209.95	337.95	269.95
North Star (Hollywood F/X)	179.95	187.95	286.95	244.95

#### PRICES FOR DROP-IN STAR FILTERS

FILTER SIZES:	DI S9	DI 138	22	33	34	44	DI 4.5	45P	6.6
Star Effect 4pt 1mm	169.95	256.95	154.95	154.95	169.95	169.95	179.95	249.95	348.95
Star Effect 4pt 2mm	169.95	256.95	154.95	154.95	169.95	169.95	179.95	249.95	348.95
Star Effect 4pt 3mm	169.95	256.95	154.95	154.95	169.95	169.95	179.95	249.95	348.95
Star Effect 4pt 4mm	169.95	256.95	154.95	154.95	169.95	169.95	179.95	249.95	348.95
Star Effect 6pt 2mm	169.95	256.95	154.95	154.95	169.95	169.95	179.95	249.95	348.95
Star Effect 6pt 3mm	169.95	256.95	154.95	154.95	169.95	169.95	179.95	249.95	348.95
Star Effect 6pt 4mm	169.95	256.95	154.95	154.95	169.95	169.95	179.95	249.95	348.95
Star Effect 8pt 3mm, 4mm	169.95	256.95	154.95	154.95	169.95	169.95	179.95	249.95	348.95
Star Effect 12pt 2mm, 3mm, 4mm	169.95	256.95	154.95	154.95	169.95	169.95	179.95	249.95	348.95
Vector Star (Hollywood F/X)	169.95	256.95	154.95	154.95	169.95	169.95	179.95	249.95	348.95
Hyper Star (Hollywood F/X)	194.95	307.95	170.00	170.00	196.95	196.95	219.95	277.95	409.95
Hollywood Star (Hollywood F/X)	194.95	307.95	170.00	170.00	196.95	196.95	219.95	277.95	409.95
North Star (Hollywood F/X)	169.95	256.95	154.95	154.95	169.95	169.95	179.95	249.95	348.95

Star Effect 4 Pt.

Item# .....TIS4P( )

Star Effect 6 Pt.

Item# .....TIS6P( )

*To order Star filters, insert the filter diameter (FILTER SIZE in chart above) followed by mm size, after the item number.*

Vector Star

Item # .....TIVS( )

Hyper Star

Item # .....TIHS( )

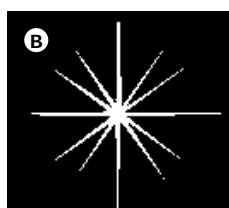
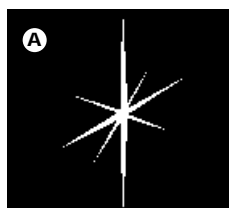
Hollywood Star

Item # .....TIHWS( )

North Star

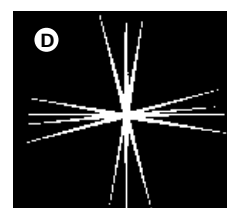
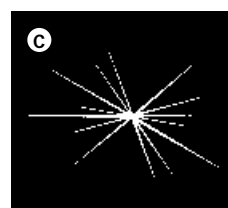
Item # .....TINS( )

*To order Hollywood F/X filters, insert the filter diameter (FILTER SIZE in chart above) after the item number.*



The different  
Hollywood F/X Effects:

- A. Vector Star
- B. North Star
- C. Hyper Star
- D. Hollywood Star



# TIFFEN

## SPECIAL EFFECTS FILTERS

### Pro-Mist Filters

#### Pro-Mist Filter

Creates dreamlike soft-focus effects. Alters images in 3 ways. Removes harsh edge off sharpness, introduces a bit of flare and produces a mild reduction in contrast. Available in  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{1}{2}$ , 1, 2, 3, 4 and 5 densities.

Item #.....TIPM( )

#### Warm Pro-Mist Filter

Combines the Pro-Mist and 812 Color Conversion filters. Tones down excessive sharpness, while adding warmth. Balances contrasting skintones within one scene. Available in  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{1}{2}$ , 1, 2, 3, 4, 5 densities.

Item #.....TIWPM( )

#### Black Pro-Mist Filter

Softening with more subtle flare than an equivalent graded Pro-Mist. Reduces contrast by combining modest lightening of shadows with darkening of highlights. Available in  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{1}{2}$ , 1, 2, 3, 4 and 5 densities.

Item #.....TIBPM( )

#### Warm Black Pro-Mist Filter

Combines Black Pro-Mist and the 812 filter. Reduces contrast by combining modest lightening of shadows with darkening of highlights, while adding warmth. Available in  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{1}{2}$ , 1, 2, 3, 4 and 5 densities.

Item #.....TIWBPM( )

*To order Pro-Mist filters, insert density number, followed by the filter diameter (FILTER SIZE in charts below) after the item number.*

### PRICES FOR PRO-MIST FILTERS

FILTER SIZES:	40.5	49	52	55	58	B60	62	67	72	77	82	CP
Pro-Mist 1, 2, 3	37.75	37.75	37.75	37.75	43.25	99.00	54.00	54.00	71.00	71.00	88.50	63.00
Warm Pro-Mist 1, 2, 3	37.75	37.75	37.75	37.75	43.25	99.00	54.00	54.00	71.00	71.00	88.50	63.00
Black Pro-Mist 1, 2, 3	37.75	37.75	37.75	37.75	43.25	99.00	54.00	54.00	71.00	71.00	88.50	63.00
Warm Blk Pro-Mist 1, 2, 3	37.75	37.75	37.75	37.75	43.25	99.00	54.00	54.00	71.00	71.00	88.50	63.00

FILTER SIZES:	S9	86	95	105	138	22	33	34	44	4.5	45P	45	55Q	56	66	6.6
Pro-Mist 1-5	114.95	124.95	225.95	225.95	259.95	119.95	119.95	166.95	166.95	169.95	276.95	354.95	354.95	354.95	354.95	354.95
Pro-Mist $\frac{1}{8}$ , $\frac{1}{4}$ , $\frac{1}{2}$	114.95	124.95	225.95	225.95	259.95	119.95	119.95	166.95	166.95	169.95	276.95	354.95	354.95	354.95	354.95	354.95
Warm Pro-Mist 1-5	114.95	124.95	225.95	225.95	259.95	119.95	119.95	166.95	166.95	169.95	276.95	354.95	354.95	354.95	354.95	354.95
Warm Pro-Mist $\frac{1}{8}$ , $\frac{1}{4}$ , $\frac{1}{2}$	114.95	124.95	225.95	225.95	259.95	119.95	119.95	166.95	166.95	169.95	276.95	354.95	354.95	354.95	354.95	354.95
Black Pro-Mist 1-5	114.95	124.95	225.95	225.95	259.95	119.95	119.95	166.95	166.95	169.95	276.95	354.95	354.95	354.95	354.95	354.95
Black Pro-Mist $\frac{1}{8}$ , $\frac{1}{4}$ , $\frac{1}{2}$	114.95	124.95	225.95	225.95	259.95	119.95	119.95	166.95	166.95	169.95	276.95	354.95	354.95	354.95	354.95	354.95
Warm Black Pro-Mist 1-5	114.95	124.95	225.95	225.95	259.95	119.95	119.95	166.95	166.95	169.95	276.95	354.95	354.95	354.95	354.95	354.95
Warm Black Pro-Mist $\frac{1}{8}$ , $\frac{1}{4}$ , $\frac{1}{2}$	114.95	124.95	225.95	225.95	259.95	119.95	119.95	166.95	166.95	169.95	276.95	354.95	354.95	354.95	354.95	354.95

### Fog and Double Fog Effect Filters

#### Fog Effect Filter

Creates or enhances the effect of a natural fog. Causes lights to flare and mist to appear. An even mist density is produced throughout the scene. Available in  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{1}{2}$ , 1, 2, 3, 4, 5 densities.

Item #.....TIF( )

#### Double Fog Effect Filter

Combines a soft fog with a heavy low contrast effect, allowing clearer detail than a standard fog filter, while maintaining a dense fog appearance. Available in  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{1}{2}$ , 1, 2, 3, 4, 5 densities.

Item #.....TIDF( )

*To order Fog and Double Effects filters, insert density number, followed by the filter diameter (FILTER SIZE in charts below) after the item number.*

### PRICES FOR TIFFEN FOG AND DOUBLE FOG EFFECT FILTERS

FILTER SIZES:	46	49	52	55	58	B60	62	67	72	77	82	CP
Fog Effect 1, 3	-	41.95	41.95	41.95	34.00	-	66.95	66.95	87.95	87.95	114.50	-
Dbl Fog Eff 3	27.25	27.25	27.25	27.25	34.00	88.00	44.50	44.50	58.95	58.95	84.95	68.50

FILTER SIZES:	S9	86	95	105	138	22	33	34	44	4.5	45P	45	55Q	56	66	6.6
Fog Effect 1, 2, 3	99.95	89.95	184.95	184.95	219.95	100.00	100.00	129.95	129.95	139.95	219.95	284.95	284.95	284.95	284.95	284.95
Fog Effect $\frac{1}{8}$ , $\frac{1}{4}$ , $\frac{1}{2}$	99.95	89.95	184.95	184.95	219.95	100.00	100.00	129.95	129.95	139.95	219.95	284.95	284.95	284.95	284.95	284.95
Fog Effect 2, 4	99.95	89.95	184.95	184.95	219.95	100.00	100.00	129.95	129.95	139.95	219.95	284.95	284.95	284.95	284.95	284.95
Dbl Fog Eff 1, 2, 3	114.95	89.95	184.95	184.95	219.95	100.00	100.00	141.00	141.00	139.95	244.95	284.95	284.95	284.95	284.95	284.95
Dbl Fog Eff $\frac{1}{8}$ , $\frac{1}{4}$ , $\frac{1}{2}$	114.95	89.95	184.95	184.95	219.95	100.00	100.00	141.00	141.00	139.95	244.95	284.95	284.95	284.95	284.95	284.95

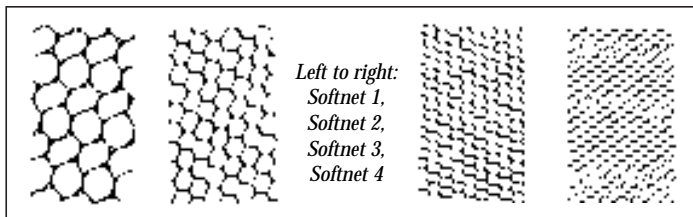


### Softnet Filters

#### Softnet Black Filter

Net material laminated between optical clear glass. Creates a soft diffusion effect, while causing no halation from highlights. Dark areas remain dark. 1, 2, 3 and 4 densities.

Item #.....TISNB( )



Left to right:  
Softnet 1,  
Softnet 2,  
Softnet 3,  
Softnet 4

#### Softnet White Filter

Net material laminated between optical clear glass. Creates soft diffusion, while adding a misty look. Produces halation from highlights; dark areas appear less dense. 1, 2, 3 and 4 densities.

Item #.....TISNW( )

### PRICES FOR SOFTNET FILTERS

FILTER SIZES:	40.5	49	52	55	58	B60	62	67	72	77	82	CP	33L	S9
Softnet Black 2, 4	57.50	28.00	28.00	28.00	35.00	88.00	44.50	44.50	58.50	58.50	64.75	68.50	98.00	64.75
Softnet White 2, 4	57.50	28.00	28.00	28.00	35.00	88.00	44.50	44.50	58.50	58.50	64.75	68.50	98.00	64.75

FILTER SIZES:	S9	86	95	105	138	22	33	34	44	4.5	45P	45	55Q	56	66	6.6
Softnet Black 1-4	100.00	89.95	186.00	186.00	219.95	100.00	100.00	139.95	141.00	139.95	219.95	284.95	284.95	284.95	284.95	284.95
Softnet White 1-4	100.00	89.95	186.00	186.00	219.95	100.00	100.00	139.95	141.00	139.95	219.95	284.95	284.95	284.95	284.95	284.95

### Soft/FX Filters

The ideal portrait improvement filters for photography and videography, the Soft/FX filters incorporate effective light softening technology that diminishes imperfections, smooths out wrinkles and skin blemishes, while keeping the overall appearance sharp. What makes the Soft/FX filters incomparable are the small lens-like elements within the glass which produce a light-scattering pattern that selectively defocuses details for a more sophisticated series of effects. The Soft/FX filter is available in five densities (1, 2, 3, 4, and 5) for creative flexibility. Density 1 provides subtle softening, while density 3 produces modest softening, with no reduction in contrast. With density 5, the effect is most dramatic on unwanted details. Details are diminished while highlights look luminous. The Warm Soft/FX combines the Soft/FX with the 812 in a single filter. An essential tool for professional portrait photographers and videographers.

#### Soft/FX Filter

The Soft/FX filter was designed to meet the special needs of portraiture photography - weddings, graduations, family gatherings, corporate profiles, fashion and other creative softening applications.

Item #.....TISFX( )

#### Warm Soft/FX

The Warm Soft/FX warms skintones while at the same time selectively diffusing details for a soft, supremely flattering portrait that is not dulled or fuzzy. Available in 1, 2, 3, 4 and 5 densities.

Item #.....TIWSFX( )

**To order Soft/FX filters, insert density number, followed by the filter diameter (FILTER SIZE in charts below) after the item number.**

### PRICES FOR SOFT/FX FILTERS

FILTER SIZES:	37	43	49	52	55	58	B60	62	67	72	77	82	CP
Soft/FX 1-5	*31.50	*31.50	30.00	30.00	30.00	37.50	88.00	46.50	46.50	62.75	62.75	90.50	68.50
Warm Soft/FX 1-5	-	-	28.95	28.95	28.95	36.50	81.00	45.00	45.00	61.25	61.25	88.50	63.00

*\*Soft / FX 3 Only*

FILTER SIZES:	S9	86C	95	105	138	22	33	34	44	4.5	45P	45	55Q	56	66	6.6
Soft/FX ½	114.95	124.95	224.95	224.95	259.95	119.95	119.95	169.95	169.95	169.95	276.95	354.95	354.95	354.95	354.95	354.95
Soft/FX 1-5	114.95	124.95	224.95	224.95	259.95	119.95	119.95	169.95	169.95	169.95	276.95	354.95	354.95	354.95	354.95	354.95
Warm Soft/FX ½	114.95	124.95	224.95	224.95	259.95	119.95	119.95	169.95	169.95	169.95	276.95	354.95	354.95	354.95	354.95	354.95
Warm Soft/FX 1-5	114.95	124.95	224.95	224.95	259.95	119.95	119.95	169.95	169.95	169.95	276.95	354.95	354.95	354.95	354.95	354.95

# TIFFEN

## SPECIAL EFFECTS FILTERS

### Controlling Contrast Filters

Whether on location or in the studio, your ability to control the contrast of your image is critical. Bright lights or sunlight create problems when the ratio between the highlight and shadow areas is beyond the latitude of the recording medium. If you expose for the highlights, the shadows appear without detail. If you expose for the shadows, the result is washed-out highlights. Contrast reduction can be achieved by lightening shadows without overexposing highlights or by darkening highlights without darkening shadows further. Tiffen Contrast filters alter highlight or shadow intensity levels for a more usable contrast range in film or video. To the untrained eye, loss of contrast may be equated with loss of sharpness. This is not true. These filters have no effect on sharpness, yet each alters your scene in a slightly different way.

**Soft Contrast** filters reduce contrast. This filter absorbs light, diminishing the highlighted areas while retaining the darker look of the shadow areas. In other words, the hot spots or bright areas of the image are reduced while the shadow areas remain dark, (black areas stay black), hence a reduction in contrast. This filter will cause a slight amount of flaring or halation.

#### Soft Contrast Filter

Available in  
1, 2, 3, 4 and 5 densities.

Item #.....TISC( )

#### Low Contrast Filter

Available in  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  
1, 2, 3, 4 and 5 densities.

Item #.....TILC( )

**Low Contrast** filters work by spreading light from the highlights to the shadowed and darker areas, leaving the bright areas of the image bright. The dark areas are lighter, enabling you to see more detail in shadow areas. Because there is no f-stop compensation, you will not overexpose any portion of the image. This filter also creates a very slight flare or halation around hot spots or individual light sources. This feature can be a useful effect. The more light there is for the filter to work with, the greater the effect. Through the years, Low Contrast has been the filter of choice for people who shoot video but want to achieve more of a film look to their images.

**Ultra Contrast** filters work with ambient light from surroundings, as well as the light in the actual image area. They lower contrast uniformly throughout the scene, even when there are varying degrees of brightness within the image. Shadow areas are opened up, revealing more detail, but without any flare or halation from direct light sources or bright reflections.

**Low Light Ultra Contrast** filters have all the effects of the Ultra Contrast, for use in low-light situations.

#### Ultra Contrast Filter

Available in  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  
1, 2, 3, 4 and 5 densities.

Item #.....TIUC( )

#### Low Light

#### Ultra Contrast Filter

Available in 1-4 densities.

Item #.....TILLUC( )



Unfiltered



Taken with a Soft Contrast filter



Taken with a Low Contrast filter



Taken with an Ultra Contrast filter

To order Controlling Contrast filters, insert density number, followed by the filter diameter (FILTER SIZE in charts below) after the item number.

### PRICES FOR TIFFEN CONTRAST FILTERS

FILTER SIZES:	37	40.5	43	46	49	52	55	58	B60	62	67	72	77	82	CP
Soft Contrast 1, 2, 3	-	57.50	-	27.25	27.25	27.25	27.25	35.00	88.00	44.50	44.50	58.50	-	64.75	68.50
Low Contrast 1, 2, 3	*25.50	57.50	*25.50	27.95	27.95	27.95	27.95	34.95	88.00	44.50	44.50	58.50	58.50	64.75	68.50
Ultra Contrast 1, 3, 5	-	-	-	37.75	37.75	37.75	37.75	43.25	99.00	54.00	54.00	71.00	71.00	91.00	63.00

\*Low Contrast 3 Only

FILTER SIZES:	S9	86	95	105	138	22	33	34	44	4.5	45P	45	55Q	56	66	6.6
Soft Contrast 1-5	99.95	89.95	184.95	184.95	219.95	100.00	100.00	139.95	139.95	139.95	219.95	284.95	284.95	284.95	284.95	284.95
Low Contrast $\frac{1}{8}$ , $\frac{1}{4}$ , $\frac{1}{2}$	99.95	89.95	184.95	184.95	219.95	100.00	100.00	139.95	139.95	139.95	244.95	284.95	284.95	284.95	284.95	284.95
Low Contrast 1-5	99.95	89.95	184.95	184.95	219.95	100.00	100.00	139.95	139.95	139.95	219.95	284.95	284.95	284.95	284.95	284.95
Ultra Contrast 1-5	114.95	169.95	-	-	259.95	119.95	119.95	169.95	169.95	169.95	276.95	354.95	354.95	354.95	354.95	354.95
Ultra Contrast $\frac{1}{8}$ , $\frac{1}{4}$ , $\frac{1}{2}$	114.95	169.95	-	-	259.95	119.95	119.95	169.95	169.95	169.95	276.95	354.95	354.95	354.95	354.95	354.95
Low Light Ultra Contrast 1-4	114.95	124.95	-	-	259.95	119.95	119.95	169.95	169.95	169.95	276.95	354.95	354.95	354.95	354.95	354.95



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

### Specialty Filters

#### Coral Filter

Warming filters available in  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{1}{2}$ , 1, 2, 3, 4, 5, 6, 7 and 8 densities. Used to adjust Kelvin temperature for different times of day. Also used to enhance skintones.

Item #.....TIC( )

#### LL-D Filter

Allows use of tungsten film in daylight without exposure compensation. For use with negative film for motion picture photography in conjunction with an optical printer.

Item #.....TILLD( )

#### Streak Effect Filter

Designed to enhance spectral highlights by creating a two-point streak effect. Produces an effect similar to a star filter. Improves a scene without effecting contrast.

Item #.....TIS( )

#### Hot Mirror

Digital cameras can have increased sensitivity to infrared light. The Hot Mirror remedies this by reflecting most infrared light, especially between 800 and 1200 nanometers.

Item #.....TIHM( )

### PRICES FOR SPECIALTY FILTERS

FILTER SIZES:	46	49	52	55	58	62	67	72	77	82
Hot Mirror	47.95	47.95	47.95	47.95	58.95	94.95	94.95	134.95	134.95	139.95

FILTER SIZES:	S9	86	95	105	138	22	33	34	44	4.5	45P	45	55Q	56	66	6.6
Coral $\frac{1}{8}$ , $\frac{1}{4}$ , $\frac{1}{2}$ , 1-5	99.95	89.95	184.95	184.95	219.95	99.95	99.95	129.95	139.95	139.95	219.95	284.95	284.95	284.95	284.95	284.95
LL-D	99.95	94.95	-	-	209.95	99.95	99.95	139.95	139.95	139.95	244.95	284.95	284.95	284.95	284.95	284.95
Streak 2,3mm, Drop-In	169.95	-	-	-	-	154.95	154.95	169.95	169.95	179.95	244.95	-	-	-	-	348.95
Streak 2,3mm, Rotating	179.95	182.95	-	-	-	-	-	-	-	244.95	-	-	-	-	-	-

### Solid Color Special FX Filters

#### Antique Suede 1-3

Item #.....TISCSEFXAS( )

#### Grape 1-3

Item #.....TISCSEFXGP( )

#### Tangerine 1-3

Item #.....TISCSEFXT( )

#### Chocolate 1-3

Item #.....TISCSEFXCH( )

#### Plum 1-3

Item #.....TISCSEFXPL( )

#### Tobacco 1-3

Item #.....TISCSEFXTO( )

#### Cranberry 1-3

Item #.....TISCSEFXCR( )

#### Straw 1-3

Item #.....TISCSEFXST( )

#### Tropic Blue 1-3

Item #.....TISCSEFXTB( )



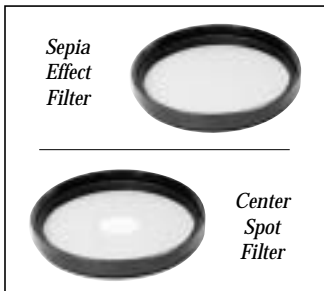
To order Solid Color Special FX filters, insert the filter diameter (FILTER SIZE in chart below) to be followed by the intensity number, after the item number.

### PRICES FOR SOLID COLOR SPECIAL FX FILTERS

FILTER SIZES:	S9	86	138	22	33	34	44	4.5	45P	45	55Q	56	66	6.6
Antique Suede 1, 2, 3	119.95	159.95	307.95	139.95	139.95	179.95	179.95	219.95	293.95	369.95	369.95	369.95	369.95	369.95
Chocolate 1, 2, 3	119.95	159.95	307.95	139.95	139.95	179.95	179.95	219.95	293.95	369.95	369.95	369.95	369.95	369.95
Cranberry 1, 2, 3	119.95	159.95	307.95	139.95	139.95	179.95	179.95	219.95	293.95	369.95	369.95	369.95	369.95	369.95
Grape 1, 2, 3	119.95	159.95	307.95	139.95	139.95	179.95	179.95	219.95	293.95	369.95	369.95	369.95	369.95	369.95
Plum 1, 2, 3	119.95	159.95	307.95	139.95	139.95	179.95	179.95	219.95	293.95	369.95	369.95	369.95	369.95	369.95
Straw 1, 2, 3	119.95	159.95	307.95	139.95	139.95	179.95	179.95	219.95	293.95	369.95	369.95	369.95	369.95	369.95
Tangerine 1, 2, 3	119.95	159.95	307.95	139.95	139.95	179.95	179.95	219.95	293.95	369.95	369.95	369.95	369.95	369.95
Tobacco 1, 2, 3	119.95	159.95	307.95	139.95	139.95	179.95	179.95	219.95	293.95	369.95	369.95	369.95	369.95	369.95
Tropic Blue 1, 2, 3	119.95	159.95	307.95	139.95	139.95	179.95	179.95	219.95	293.95	369.95	369.95	369.95	369.95	369.95

## SPECIAL EFFECTS FILTERS

### Miscellaneous Special Effects Filters



#### Center Spot Filter

A heavy diffusion filter with a clear circular spot in the center. Ideal for portraits or other situations where a clear central subject with a diffused, less distracting background is desired.

Item #.....TICS( )

#### Warm Center Spot Filter

Same as the Center Spot Filter, plus the added benefit of the #812 skin enhancing warm tone throughout the filter. For cameras with manual light metering, less than 1/3 stop compensating is required.

Item #.....TIWCS( )

#### Enhancing Filter

Creates brighter, more saturated reds, rust browns and oranges on film, with minimal effect to other colors. Made of didymium glass, it is ideal where red, brown and orange subjects should be enriched. Old rustic barns, flowers, earthtone rock formations, strawberries and tomatoes are some of the many possibilities in which this filter can improve color saturation. Most popular for capturing dramatic images of autumn. Changes in foliage color are enhanced for improved fall landscapes and picture postcard scenes. For cameras with manual light metering, 1/2 to 1 stop compensation is required.

Item #.....TIE( )

#### Sepia Effect Filter

Creates a warm brown tone and offers a "turn of the century" look to your scene. Sepia filters are available in densities 1, 2 and 3. #1 is a light effect. #2 and #3 offer the same denser color, but #3 combines a fog for enhanced effect.

Item #.....TIS( )

#### Close-Up Lens

Single element diopter lenses enable focusing on subjects much closer than the standard lenses. Great for detail photos of nature subjects and a wide range of situations. Available in several diopter strengths in special sizes and available in sets in common sizes.

Standard Size #.....TICUS( ) set

Special Size #.....TICU( ) each



Close-Up 1



Close-Up 2



Close-Up 3

To order miscellaneous filters, insert density number, followed by the filter diameter (FILTER SIZE in charts below) after the item number.

### PRICES FOR MISCELLANEOUS EFFECTS FILTERS

FILTER SIZES:	37	40.5	46	49	52	55	58	B60	62	67	72	77	82	CP
Center Spot	-	-	-	22.50	22.50	22.50	26.50	-	29.25	29.25	39.25	39.25	-	68.50
Warm Center Spot	-	37.75	37.75	37.75	37.75	37.75	43.25	99.00	54.00	54.00	71.25	71.25	101.75	63.00
Enhancing	46.95	48.95	48.95	48.95	48.95	48.95	74.95	109.95	78.50	78.50	90.50	90.50	99.95	222.00
Sepia 1, 2, 3	-	-	-	27.95	27.95	27.95	34.95	-	44.95	44.95	58.95	58.95	64.75	*68.50
Close-Up Lens Set (+1,+2,+4)	59.95	-	42.00	42.00	42.00	42.00	61.00	-	73.95	73.95	112.95	112.95	-	-

\* #1 and #3 only

FILTER SIZES:	S9	86C	95	105	138	22	33	34	44	4.5	45P	45	55Q	56	66	6.6
Enhancing	134.95	139.95	357.00	357.00	336.95	190.00	190.00	289.95	292.00	299.95	369.95	414.95	414.95	414.95	414.95	414.95
Sepia 1, 2, 3	99.95	89.95	186.95	186.00	219.95	100.00	100.00	139.95	144.50	139.95	219.95	284.95	284.95	284.95	284.95	284.95
Close-Up 1/2, 1, 2, 3	84.95	106.95	192.95	192.95	197.95	108.95	108.95	-	-	133.50	-	184.95	-	-	-	-
Close-Up Lens 4	97.95	-	-	-	-	-	-	-	-	184.95	-	-	-	-	-	-

### Intro Kits

Now you can save money by purchasing filters in a kit. The combination filter kits will meet your photographic demands. There is a filter for protection, warming, and saturating blue skies. Each kit contains a UV Protector, an 812 Color warming Filter, and a Circular Polarizer. The UV Protector protects your valuable lens against dust, moisture, scratches and breakage. It is recommended by camera and camcorder manufacturers. The exclusive 812 Color Warming Filter adds warmth to skintones for more flattering portraits. It is ideal when outdoors in

open shade and with an electronic flash. The Circular Polarizer deepens blue skies, reduces or eliminates glare and reflections on non-metallic surfaces. It is great for photographing water and through windows. Designed for cameras with "beam splitting" metering systems; for most 35mm auto-focus cameras.

#### Intro Kit

Item # .....TIK( )

*To order Intro Kits, insert the filter diameter (FILTER SIZE in charts below) after the item number.*

### PRICES FOR INTRO FILTERS

37	46	49	52	55	58	62	67	72	77	82
49.95	49.95	49.95	49.95	49.95	59.95	74.95	74.95	99.95	99.95	129.95

### Filter Pouches

#### Tiffen Protective Organizer

The Protective Organizer can accommodate six screw-in filters up to 82mm, or six square filters up to 3 x 3", or up to twelve 3 1/2" computer floppy diskettes. It is made of heavy duty luggage-grade nylon with soft lining, and closes securely with velcro.

Item # TIFP6 .....14.95



Tiffen Protective Organizer

#### F-64 FC 4-Pocket Filter Case

Heavily padded filter pouches are designed to protect and organize all filters (up to 3 1/4 x 3 1/4"). They can also be used to hold valuable computer disks. The FC (lower left) has four pockets. The FCX has eight pockets. Both models, when closed, will fit in most camera bags. Belt loops are provided, allowing both cases to be worn on optional accessory belt #AB. Available in black.

Item # F6FC.....9.95

#### F-64 FCX 8-Pocket Filter Case

Item # F6FCX.....14.95

## MC PHOTOGRAPHIC

MC Photographic filter wallets are as tough as they come — on the outside, they are softies! Thick, shock absorbing padding is combined with a soft, plush covering. They close securely with

velcro seals. Designed with unique clear partitions to quickly locate the right filter. An assortment of bright, recognizable colors, make it easy to locate each protected item.

MC filter wallets come in many colors. The codes for these colors are as follows:

Black = **B**, Grey = **G**, Green = **GR**, Light Blue = **LB**, Light Green = **LG**, Navy = **N**, Orange = **O**, Red = **R**, Tan = **T**, Yellow = **Y**.

To order, please insert color code into blank space.

#### Filter Wallet (0735\_)

Fits eight filters up to 62mm.

Item # MCFW62\_.....13.95

#### Filter Wallet (0715\_)

Fits eight filters up to 72mm.

Item # MCFW72\_.....17.95

#### Filter Wallet (0716\_)

Fits eight filters up to 82mm.

Item # MCFW82\_.....19.50

#### Filter Wallet (0717\_)

Fits eight filters up to 105mm.

Item # MCFW105\_.....19.95

#### Filter Wallet (0745\_)

Fits five square filters up to 4x4".

Item # MCFW44\_.....22.95





# COKIN

## FILTERS

RESIN FILTERS

377

### Filter Holders

The filter holder is the key to the whole Cokin Creative Filter System. It is attached to the lens by the adapter ring and takes specially designed round or square filters, modular lens hoods and also the coupling ring.

The A system holder will accept  $2\frac{1}{16} \times 2\frac{1}{16}$ " (65 x 71cm) square filters, and the P system holder will accept  $3\frac{1}{4} \times 3\frac{1}{4}$  (83 x 83cm) square filters.

Screw the adapter ring into your lens. This ring is available in the following diameters for the A system: 36, 39, 40.5, 41, 42, 43, 43.5, 44, 46, 48, 49, 52, 54, 55, 58, 62 mm and Hasselblad B50. for the P system it is available in sizes of 48, 49, 52, 55, 58, 62, 67, 72, 77, 82 mm and Hasselblad B60.

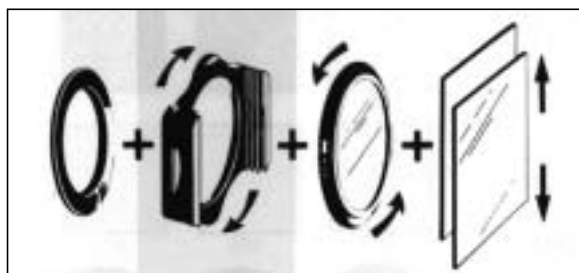
There is also a universal ring for both the A and P systems for special lenses of non-standard screw diameter and pitch.

Slide the filter holder over the adapter ring. It engages with a click that holds it firmly on your lens, and you can rotate your filter holder at will to the left or right.

Place the filter in the groove.

The narrowest groove nearest to the lens is for the serrated edge of round filters such as the Stars, Diffractors, Polarizers, etc. At a touch of the finder, the filter rotates about its axis for optimum adjustment. The other three grooves take square filters which you orientate however you want - sideways or vertically. Or you can add a coupling ring.

Adapter Ring, Filter Holder, Round Filter, Square Filter



Filter Holder A  
Item # COFHA.....3.95

Filter Holder A  
With 36-page book.  
Item # COFHAB36.....5.95

Filter Holder P  
With 36-page book.  
Item # COFHPB36.....7.95

Filter Holder A  
With 112-page book Blister Pack.  
Item # COBPA.....8.95

Filter Holder P  
With 112-page book.  
Item # COFHPB112.....10.95

112-Page Book Only  
Item # COB.....5.95

106-Page Spanish Book Only  
Item # COBSQ.....7.95

### Adapter Rings for Filter Holders

For "A" Filter Holder  
Item # COARA(Code).....(for price see chart)

For "P" Filter Holder  
Item # COARP(Code).....(for price see chart)

To order Filter Holders, just insert filter diameter (CODE in chart below) after the item number of filter desired.

### FILTER HOLDER SPECIFICATIONS

SIZE	CODE	SERIES A	SERIES P	SIZE	CODE	SERIES A	SERIES P
36mm	36	5.95	-	54mm	54	5.95	-
39mm	39	5.95	-	55mm	55	4.95	9.95
40.5mm	40.5	5.95	-	58mm	58	4.95	9.95
41mm	41	5.95	-	62mm	62	6.95	9.95
42mm	42	5.95	-	67mm	67	-	9.95
43mm	43	5.95	-	72mm	72	-	9.95
43.5mm	43.5	5.95	-	77mm	77	-	9.95
44mm	44	5.95	-	82mm	82	-	9.95
46mm	46	5.95	-	Hass B50	B50	24.95	30.95
48mm	48	5.95	14.95	Hass B60	B60	-	30.95
49mm	49	4.95	9.95	Universal	U	19.95	25.95
52mm	52	4.95	9.95	Canon 35-70	C3570	8.95	-

# COKIN

## FILTERS

RESIN FILTERS

378

### Filters

Can be slipped quickly in and out of Cokin holders.

#### A Series Filters

Item #.....COA( )

#### P Series Filters

Item #.....COP( )

*To order A or P filters, just insert Cokin filter number ( from chart below) after the item number of filter desired.*

### A AND P SERIES FILTER

COKIN CAT. #	DESCRIPTION	SERIES A	SERIES P	COKIN CAT. #	DESCRIPTION	SERIES A	SERIES P
001	Yellow	8.95	11.50	078	W/A Ctr Spot Red	-	13.95
002	Orange	8.95	11.50	081	Color Vaseline	13.50	-
003	Red	8.95	11.50	082	Color Diffuser	5.95	-
004	Green	8.95	11.50	083 (830)	Diffuser 1	10.49	13.95
005	Sepia	8.95	11.50	084 (840)	Diffuser 2	10.49	13.95
020	Blue (80A)	8.95	11.50	085	Diffuser 3	10.49	13.95
021	Blue (80B)	8.95	11.50	086	Pastel 1	10.49	13.95
022	Blue (80C)	8.95	-	087	Pastel 2	10.49	13.95
023	Blue (82A)	8.95	-	088	Color Diff Blue	9.95	-
024	Blue (82B)	8.95	-	089	Color Diff Solid	10.49	-
025	Blue (82C)	8.95	-	091	Dreams 1	16.95	24.00
026	Warm (81A)	8.95	11.50	092	Dreams 2	16.95	-
027	Warm (81B)	8.95	11.50	093	Dreams 3	16.95	24.00
028	Warm (81C)	8.95	11.50	101	Close-up +1	10.95	-
029	Orange (85A)	8.95	11.50	103	Close-up +3	10.95	15.95
030	Orange (85B)	8.95	11.50	111	Split Field +1	-	15.95
031	Orange (85C)	8.95	-	120	G1 Gray Graduated	12.95	15.95
036	FLW	7.25	-	121	G2 Gray Graduated	12.95	15.95
040	Diffraction Cosmos	20.50	24.95	122	B1 Blue Graduated	12.95	15.95
042	Diffraction Galaxy	-	-	123	B2 Blue Graduated	12.95	15.95
045	Sepia Light	8.95	11.50	124	T1 Tobacco Graduated	12.95	15.95
046	FLD	10.00	9.95	125	T2 Tobacco Graduated	12.95	15.95
047	Gold	7.50	9.95	126	M1 Mauve Graduated	12.95	-
050	Cyan	7.50	9.95	127	M2 Mauve Graduated	12.95	15.95
055	Star 16	13.50	16.95	128	P1 Pink Graduated	-	15.95
056	Star 8	13.50	16.95	129	P2 Pink Graduated	12.95	15.95
057	Star 4	13.50	16.95	130	E1 Emerald Graduated	12.95	-
058	Star 2	-	-	131	E2 Emerald Graduated	12.95	-
059	Softstar	13.50	16.95	132	Y1 Emerald Graduated	12.95	-
060	Incolor 1	9.95	12.95	133	Y2 Yellow Graduated	12.95	-
061	Incolor 2	9.95	12.95	150	Fog 1	12.95	15.49
062	Gray 1 Center Spot	9.95	-	151	Fog 2	12.95	15.49
063	Gray 2 Center Spot	9.95	12.95	152	Gray ND2x	8.95	10.95
064	Violet Center Spot	-	12.95	153	Gray ND4x	8.95	10.95
065	Green Center Spot	9.95	12.95	160	Linear Polarizer	19.49	29.49
066	Orange Center Spot	9.95	12.95	161	Red Polarizer	15.99	29.95
068	Red Center Spot	-	12.95	162	Blue Polarizer	-	29.95
070	W/A Center Spot	10.49	13.95	163	Yellow Polarizer	15.89	29.95
071	W/A Ctr Spot Inclr 2	-	13.95	164	Circular Polarizer	25.49	53.95
077	W/A Ctr Spot Blue	-	13.95	170	Variocolor Red/Grn	20.95	32.49

*A and P Series Filter continued on next page*

**All items are complete with all accessories as supplied by the manufacturer**

# COKIN

## FILTERS

RESIN FILTERS

379

### A AND P SERIES FILTER, *continued*

COKIN CAT. #	DESCRIPTION	SERIES A	SERIES P	COKIN CAT. #	DESCRIPTION	SERIES A	SERIES P
171	Variocolor Red/Blue	20.95	32.49	340	Creative Mask	12.95	15.95
172	Varioclr Pink/Ornge	20.95	32.49	342	Double Mask 1	12.95	-
173	Variocolor Blue/Yell	20.95	32.49	345	Double Mask 2	12.95	16.99
185	Radial Zoom	8.95	11.49	346	Double Exposure	7.49	8.95
186	Rainspot	7.95	9.95	375	Creative	23.49	29.95
187	Cyclone	7.95	-	376	Basic	-	20.95
189	Sunspot	7.95	9.95	397	Pre Shaped	15.49	20.95
190	Colorback Mauve	16.90	-	660	Fluor Grad YellowY1	12.95	15.49
192	Colorback Blue	16.90	-	661	Fluor Grad Yellow Y2	12.95	15.49
194	Gel Filter Holder	6.50	9.00	662	Fluor Grad Orng O1	12.95	15.49
195	Rainbow 1	13.95	15.95	663	Fluor Grad Orng O2	12.95	-
196	Rainbow 2	13.95	-	664	Fluor Grad Red R1	12.95	15.49
197	Sunset 1	15.00	19.49	665	Fluor Grad Red R2	12.95	15.49
198	Sunset 2	15.00	19.49	666	Fluor Grad Blue B1	12.95	15.49
201	Multi Image 5	20.95	26.49	667	Fluor Grad Blue B2	12.95	-
202	Multi Image 7	20.95	26.49	668	Fluor Gr Mauve M1	12.95	15.49
203	Multi Image 13	20.95	-	669	Fluor Gr Mauve M2	12.95	-
204	Multi Image 25	20.95	-	670	Fluor Grad Pink P1	12.95	15.49
209	Multi Parallel	24.49	29.95	671	Fluor Grad Pink P2	12.95	15.49
216	Speed	24.49	29.95	672	Pink/Blue Bi Clr C.S.	12.95	-
217	Super Speed	24.49	29.95	673	Yell/Pink Bi Clr C.S.	12.95	-
220	Mirage	24.49	-	674	Blue/Yell Bi Clr C.S.	12.95	-
230	Skylight	-	9.95	694	Sun-soft	4.95	-

### System A Accessories

#### "A" Lens Cap

Fits into one of the slots of modular hood.

**Item # COLCA .....3.95**

#### "A" Adapter Cap

Fits onto adapter ring.

**Item # COACA.....3.95**

#### "A" Modular Hood

Suppresses unwanted flare. Clips directly on the filter holder. Hoods combine to match the focal length of lens.

**Item # COMHA.....7.95**

Lee Pro Hood 67 for Cokin A (PH67)

Collapsible bellows hood mounts onto filter holder A and it has a 4" slot for vignettters.

**Item # LEPH67.....59.95**

#### "A" Coupling Ring & Filter Holder

Combines two filter holders, accepting up to 5 filters.

**Item # COCRA.....15.95**

#### "A" Storage Box

For 10 filters.

**Item # COSBA.....7.95**

#### Strap for Empty Storage Box

**Item # COSSB .....7.95**

#### Clip for Empty Storage Box

**Item # COCSB.....3.95**

### Extension Rings for Filter Holders

With some new SLR lenses and video cameras, it is impossible to screw a Cokin adapter ring onto the lens (when focusing, the lens retracts inside the lens barrel), thus the need for extension rings. Can be slipped quickly in and out of Cokin holders.

#### 46mm Extension Ring

**Item # COERA46 .....5.95**

#### 48mm Extension ring

**Item # COERA48 .....5.95**

#### 49mm Extension Ring

**Item # COERA49 .....5.95**

#### "P" Lens Cap

Fits into one of the slots of modular hood.

**Item # COLCP.....4.95**

#### "P" Adapter Cap

Fits onto adapter ring.

**Item # COACP.....4.95**

#### "P" Modular Hood

Suppresses unwanted flare. Clips directly on the filter holder. Hoods combine to match the focal length of lens.

**Item # COMHP.....9.95**

Lee Pro Hood 67 for Cokin P (PH84)

Collapsible bellows hood mounts onto filter holder and it has a 4" slot for vignettters.

**Item # LEPH84.....59.95**

#### A to P Adapter

Allows a P System filter holder to accept System A filters.

**Item # COAPA.....9.95**

#### Adjustable Storage Compartments

Organizes over 80 P Series filters.

Fits into a compartment case.

**Item # COSC .....26.95**

#### "P" Coupling Ring & Filter Holder

Combines two holders, accept-

ing up to 5 filters.

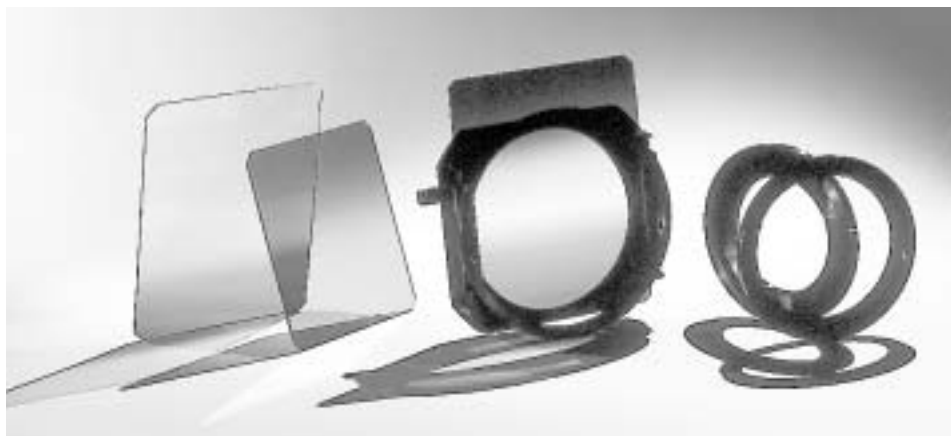
**Item # COCRP .....22.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

The Hitech Resin filters are designed for the professional photographer and videographer. These filters are made of special C39 resin that transmits more light than glass filters and are lighter, unbreakable and scratch-resistant. The 4x4" (100 x 100mm) resin filters are 1½" mm thick and fit most filter holders, including the Hitech holder system which is completely machine crafted from aluminum, as are the adapters. The vast range of adapters, holders and hoods allow the system to be used on any format camera, from 35mm to 8x10, including on rear of view lenses.



### Filter Holder

**MK-4 4x4" (100 x 100mm) Standard Filter Holder (HT-1002)**  
Fits up to three 4" (100mm) filters, up to 2mm thick. With 105mm threaded front ring. (Requires adapter ring.)  
**Item # HIFH44.....136.00**

**MK-4 Wide Angle Filter Holder (HT-1004)**  
Fits up to two 4" (100mm) filters designed to be used with wide angle adapters to prevent vignetting with wide angle lenses.  
**Item # HIFHWA44.....124.00**

### Standard Lens Adapter Rings

**49mm Adapter Ring (HT-1019)**  
**Item # HIAR49.....35.95**

**52mm Adapter Ring (HT-1022)**  
**Item # HIAR52.....35.95**

**55mm Adapter Ring (HT-1025)**  
**Item # HIAR55.....35.95**

**58mm Adapter Ring (HT-1028)**  
**Item # HIAR58.....35.95**

**60mm Adapter Ring (HT-1031)**  
**Item # HIAR60.....35.95**

**62mm Adapter Ring (HT-1034)**  
**Item # HIAR62.....35.95**



**67mm Adapter Ring (HT-1037)**  
**Item # HIAR67.....35.95**

**72mm Adapter Ring (HT-1040)**  
**Item # HIAR72.....35.95**

**77mm Adapter Ring (HT-1043)**  
**Item # HIAR77.....35.95**

**82mm Adapter Ring (HT-1046)**  
**Item # HIAR82.....64.95**

**86mm Adapter Ring (HT-1049)**  
**Item # HIAR86.....64.95**

**95mm Adapter Ring (HT-1052)**  
**Item # HIAR95.....89.95**

**105mm Adapter Ring (HT-1055)**  
**Item # HIAR105.....89.95**

**Hasselblad B-50 Adapter Ring (HT-1058)**  
**Item # HIARB50.....64.95**

**Hasselblad B-60 Adapter Ring (HT-1061)**  
**Item # HIARB60.....64.95**

**Hasselblad B-70 Adapter Ring (HT-1064)**  
**Item # HIARB70.....64.95**

**Rollei B6 Adapter Ring (HT-1067)**  
**Item # HIARR6.....64.95**

### Wide Angle Adapters

These adapters are designed for lenses having a wide angle of view, although they can be used on any lens. Instead of protruding forward away from the lens, they recede backwards over the end of the lens, allowing the filter holder to sit much closer to the front element of the lens, thereby reducing the risk of vignetting.

**49mm Wide Angle Adapter Ring (HT-1070)**  
**Item # HIARWA49.....59.50**

**52mm Wide Angle Adapter Ring (HT-1073)**  
**Item # HIARWA52.....59.50**

**55mm Wide Angle Adapter Ring (HT-1076)**  
**Item # HIARWA55.....59.50**

**58mm Wide Angle Adapter Ring (HT-1079)**  
**Item # HIARWA58.....59.50**

**60mm Wide Angle Adapter Ring (HT-1082)**  
**Item # HIARWA60.....59.50**



**62mm Wide Angle Adapter Ring (HT-1085)**  
**Item # HIARWA62.....59.50**

**67mm Wide Angle Adapter Ring (HT-1088)**  
**Item # HIARWA67.....59.50**

**72mm Wide Angle Adapter Ring (HT-1091)**  
**Item # HIARWA72.....59.50**

**77mm Wide Angle Adapter Ring (HT-1094)**  
**Item # HIARWA77.....59.50**

**82mm Wide Angle Adapter Ring (HT-1097)**  
**Item # HIARWA82.....67.50**

**Hasselblad B-60 Wide Angle Adapter Ring (HT-1100)**  
**Item # HIARWAB60.....94.50**

## F I L T E R S F O R B L A C K A N D W H I T E

### Rear Element Lens Adapters

Rear Element adapter rings fit Hitech filter holders to the back of most large format camera lenses.

**31.5mm Rear Element Adapter Ring** (HT-1103)  
**Item # HIARRE31.5.....39.95**

**37.5mm Rear Element Adapter Ring** (HT-1106)  
**Item # HIARRE37.5.....39.95**

**38mm Rear Element Adapter Ring** (HT-1109)  
**Item # HIARRE38.....39.95**

**40.5mm Rear Element Adapter Ring** (HT-1112)  
**Item # HIARRE40.5.....39.95**

**42mm Rear Element Adapter Ring** (HT-1115)  
**Item # HIARRE42.....39.95**

**46mm Rear Element Adapter Ring** (HT-1118)  
**Item # HIARRE46.....39.95**

**48mm Rear Element Adapter Ring** (HT-1121)  
**Item # HIARRE48.....39.95**

**50mm Rear Element Adapter Ring** (HT-1124)  
**Item # HIARRE50.....39.95**

**51mm Rear Element Adapter Ring** (HT-1127)  
**Item # HIARRE51.....39.95**

**54mm Rear Element Adapter Ring** (HT-1130)  
**Item # HIARRE54.....39.95**

**57mm Rear Element Adapter Ring** (HT-1133)  
**Item # HIARRE57.....39.95**

**58mm Rear Element Adapter Ring** (HT-1136)  
**Item # HIARRE58.....39.95**

**60mm Rear Element Adapter Ring** (HT-1139)  
**Item # HIARRE60.....39.95**

**65mm Rear Element Adapter Ring** (HT-1142)  
**Item # HIARRE65.....39.95**

**70mm Rear Element Adapter Ring** (HT-1145)  
**Item # HIARRE70.....39.95**

**72mm Rear Element Adapter Ring** (HT-1148)  
**Item # HIARRE72.....39.95**

**75mm Rear Element Adapter Ring** (HT-1151)  
**Item # HIARRE75.....39.95**

**77mm Rear Element Adapter Ring** (HT-1154)  
**Item # HIARRE77.....39.95**

**80mm Rear Element Adapter Ring** (HT-1157)  
**Item # HIARRE80.....64.95**

**82mm Rear Element Adapter Ring** (HT-1160)  
**Item # HIARRE82.....64.95**

**92mm Rear Element Adapter Ring** (HT-1163)  
**Item # HIARRE92.....89.95**

**95mm Rear Element Adapter Ring** (HT-1166)  
**Item # HIARRE95.....89.95**

**100mm Rear Element Adapter Ring** (HT-1169)  
**Item # HIARRE100.....89.95**

### Filter Holder Accessories

**105mm Rubber Lens Hood** (HT1010)  
For standard filter holder.  
**Item # HILHR105.....96.00**

**105mm Metal Lens Hood** (HT1013)  
35mm deep for standard filter hood.  
**Item # HILHM10535.....96.00**

**105mm Metal Lens Hood** (HT1015)  
70mm deep for standard filter hood.  
**Item # HILHM10570.....96.00**



**Adapter Cap** (HT1016)  
Fits front lens adapters when filter holder is taken off the adapter and adapter remains on lens.  
**Item # HIAC.....11.20**

### 4x4" Filters for Black and White

In black and white photography, filters can be used to reduce or eliminate atmospheric haze, to make more natural tonal reproduction in monochrome photographs, and to give deliberate emphasis to certain objects.

**#25 Red** - suppresses blue and brightens red. Also suppresses red lettering, red stamps, etc.

**#21 Orange** - accentuates red picture parts set off against green or blue. For example, it will make clouds brighter against the sky.

**#58 Green** - is generally used when improved reproduction of green is required. For example, when one takes shots of forests, gardens, and meadows, it improves green reproduction.

**#8 Yellow** - greatly increases contrast and is particularly useful for midday sun and deep shadow. It will accentuate clouds, considerably reduce haze and reproduce distance better.

**#11 Yellow-Green** - retains tonal values, but reduces haze and brightens green.

**#38 Light Blue** - is useful for correcting tendency of reds to reproduce too lightly under tungsten illumination; when used for portraiture, skin tones are more natural and modeling is improved.

**#47 Blue** - Accentuates haze and fog, creating dense, moody atmospheric effects in landscape and marine scenes.

### 4x4" FILTERS for BLACK and WHITE

COLOR	EXPOSURE	ITEM #	PRICE	COLOR	EXPOSURE	ITEM #	PRICE
25 Red	+3	HI2544	40.50	11 Yellow/Green	+1½ - 2	HI1144	40.50
21 Orange	+2 - 2½	HI2144	40.50	38 Light Blue	+½	HI3844	40.50
8 Yellow	+1	HI844	40.50	47 Dark Blue	+3	HI4744	40.50
58 Green	+2½	HI5844	40.50				



# H I T E C H

## F I L T E R S F O R B L A C K A N D W H I T E

### 4x4" UV for Black and White and Color

#### 1A Filter

Reduces bluish casts in open shade and filters out excessive green from shaded foliage.

Item # **HIUV1A44** .....**40.50**

#### 2B Filter

Absorbs ultraviolet radiation under clear sky conditions, reducing bluish casts with reversal film and haze with black & white.

Item # **HIUV2B44** .....**40.50**

### 4x4" Color Temperature Conversion Filters (CTC)

Used to convert the color temperature of a light source to balance with the film type in use. They may also be used to create an intentional "warm" or "cool" effect.

#### 4x4" COLOR TEMPERATURE CONVERSION FILTERS (CTC)

FILTER	EXPOSURE	CONVERSION	ITEM #	PRICE	FILTER	EXPOSURE	CONVERSION	ITEM #	PRICE
80A Blue	+2	3200°K to 5500°K	HI80A44	40.50	81EF Light Amber	+½	3850°K to 3200°K	HI81EF44	40.50
80B Blue	+1½	3400°K to 5500°K	HI80B44	40.50	82 Light Blue	+½	3100°K to 3200°K	HI8244	40.50
80C Blue	+1	3800°K to 5500°K	HI80C44	40.50	82A Light Blue	+½	3000°K to 3200°K	HI82A44	40.50
80D Blue	+½	4200°K to 5500°K	HI80D44	40.50	82B Light Blue	+½	2900°K to 3200°K	HI82B44	40.50
81 Light Amber	+½	3300°K to 3200°K	HI8144	40.50	82C Light Blue	+½	2800°K to 3200°K	HI82C44	40.50
81A Light Amber	+½	3400°K to 3200°K	HI81A44	40.50	85 Amber	+½	5500°K to 3400°K	HI8544	40.50
81B Light Amber	+½	3500°K to 3200°K	HI81B44	40.50	85B Amber	+½	5500°K to 3200°K	HI85B44	40.50
81C Light Amber	+½	3600°K to 3200°K	HI81C44	40.50	85C Amber	+½	5500°K to 3800°K	HI85C44	40.50
81D Light Amber	+½	3700°K to 3200°K	HI81D44	40.50					

### 4x4" Color Conversion Filters (CC)

These are used singly or in combination to change the overall color balance for viewing or printing. The chart shows a guide to exposure increase you will require, in f-stops. All CC filters are available in 8 densities.

#### 4x4" COLOR CONVERSION FILTERS (CC)

DENSITY	.025	.05	.10	.15	.20	.30	.40	.50	ITEM #	PRICE
YELLOW	nil	nil	+½	+½	+½	+½	+½	+½	HICC( )Y44	40.50
MAGENTA	nil	+½	+½	+½	+½	+½	+½	+½	HICC( )M44	40.50
CYAN	nil	+½	+½	+½	+½	+½	+½	+1	HICC( )C44	40.50
RED	nil	+½	+½	+½	+½	+½	+½	+1	HICC( )R44	40.50
GREEN	nil	+½	+½	+½	+½	+½	+½	+1	HICC( )G44	40.50
BLUE	nil	+½	+½	+½	+½	+½	+1	+1½	HICC( )B44	40.50

**To order Hitech 4x4" Color Conversion filters, just insert filter density into item number in blank space.**

### 4x4" Fluorescent Correction Filters

#### FL-D Filter

A general correction filter for use with daylight films under fluorescent lighting.

Item # **HIFLD44** .....**40.50**

#### FL-B Filter

A general correction filter for use with Tungsten film under fluorescent lighting.

Item # **HIFLB44** .....**40.50**

**Hitech Resin Filters listed in this section are of the current 4 x 4" (100 x 100mm) and 4 x 5" (100 x 125mm) sizes. We also have 94 x 100mm sizes available by special order.**

**Most Orders Shipped Within 24 Hours**

## NEUTRAL DENSITY AND GRADUATED FILTERS

### 4x4" Neutral Density Filters (Gray)

Used in color and black & white photography to reduce the intensity of visible light by a known factor. They are extremely useful in pictorial photography when shooting at maximum apertures in bright light. Since ND filters uniformly reduce light of all wavelengths, there is no effect on the color rendition. They may be used singly or in multiples; the total filter density will equal the sum of the individual filter densities.

#### 4x4" NEUTRAL DENSITY FILTERS (GRAY)

DENSITY	TRANSMISSION	EXPOSURE	ITEM #	PRICE
ND 0.1	80%	+1/2	HIND.144	54.00
ND 0.2	63%	+3/4	HIND.244	54.00
ND 0.3	50%	+1	HIND.344	54.00
ND 0.6	25%	+2	HIND.644	54.00
ND 0.9	13%	+3	HIND.944	54.00
ND 1.2	6.3%	+4	HIND1.244	54.00

### 4x5" N.D. Graduated Filters



N.D. graduated filters are used to selectively darken an area at the top or bottom of the frame without changing colors. They are available in both soft and hard edge. They come in 4x5" (100 x 125mm), enabling the N.D. area to be placed in a specific area of the frame.

#### 4x5" N.D. GRADUATED FILTERS

DENSITY	EDGE	GRAD TO	ITEM #	PRICE
Grad ND 0.3	Soft	1 Stop	HIGND.3S45	54.00
Grad ND 0.6	Soft	2 Stop	HIGND.6S45	54.00
Grad ND 0.9	Soft	3 Stop	HIGND.9S45	54.00
Grad ND 1.2	Soft	4 Stop	HIGND1.2S45	54.00
Grad ND 0.3	Hard	1 Stop	HIGND.3H45	54.00
Grad ND 0.6	Hard	2 Stop	HIGND.6H45	54.00
Grad ND 0.9	Hard	3 Stop	HIGND.9H45	54.00
Grad ND 1.2	Hard	4 Stop	HIGND1.2H45	54.00

### 4x5" 2-Color Graduated Filters

Twilight, Sunset and Autumn filters are manufactured with a special combination process that merges 2 bands of color into 1 filter. Grad autumn filter is a combination of yellow and sepia, grad sunset is a combination of red and straw, and grad twilight is a combination of blue and pink, thus calling it a 2-color graduated filter.

2-Color Grad Autumn #1  
Item # HIGA145Q.....72.00

2-Color Grad Sunset #1  
Item # HIGSS145.....72.00

2-Color Grad Autumn #2  
Item # HIGA245Q.....72.00

2-Color Grad Sunset #2  
Item # HIGSS245.....72.00

2-Color Grad Autumn #3  
Item # HIGA345Q.....72.00

2-Color Grad Sunset #3  
Item # HIGSS345.....72.00



2-Color Grad Twilight #1  
Item # HIGTL145.....72.00

2-Color Grad Twilight #2  
Item # HIGTL245.....72.00

2-Color Grad Twilight #3  
Item # HIGTL345.....72.00

### 4x5" Color Graduated Filters

These filters are used to selectively tone down bright areas and are available in 3 densities, soft or hard-edged.

Color Grad Apricot #1 (85B) Item # <i>HIGA145</i> ..... <b>45.00</b>	Color Grad Cool Blue #1 Item # <i>HIGCB145</i> ..... <b>45.00</b>	Color Grad Red #1 Item # <i>HIGR145</i> ..... <b>45.00</b>	Color Grad Straw #3 Item # <i>HIGST345</i> ..... <b>45.00</b>
Color Grad Apricot #2 Item # <i>HIGA245</i> ..... <b>45.00</b>	Color Grad Cool Blue #2 (80A) Item # <i>HIGCB245</i> ..... <b>45.00</b>	Color Grad Red #2 Item # <i>HIGR245</i> ..... <b>45.00</b>	Color Grad Tobacco #1 Item # <i>HIGTO145</i> ..... <b>45.00</b>
Color Grad Apricot #3 Item # <i>HIGA345</i> ..... <b>45.00</b>	Color Grad Coral #1 Item # <i>HIGC145</i> ..... <b>45.00</b>	Color Grad Red #3 (25) Item # <i>HIGR345</i> ..... <b>45.00</b>	Color Grad Tobacco #2 (81EF) Item # <i>HIGTO245</i> ..... <b>45.00</b>
Color Grad Cerise #1 Item # <i>HIGC145Q</i> ..... <b>45.00</b>	Color Grad Coral #2 (85) Item # <i>HIGC245</i> ..... <b>45.00</b>	Color Grad Sepia #1 Item # <i>HIGS145</i> ..... <b>45.00</b>	Color Grad Tuscany Pink #1 Item # <i>HIGTP145</i> ..... <b>45.00</b>
Color Grad Cerise #2 Item # <i>HIGC245Q</i> ..... <b>45.00</b>	Color Grad Coral #3 Item # <i>HIGC345</i> ..... <b>45.00</b>	Color Grad Sepia #2 Item # <i>HIGS245</i> ..... <b>45.00</b>	Color Grad Tuscany Pink #2 Item # <i>HIGTP245</i> ..... <b>45.00</b>
Color Grad Cerise #3 Item # <i>HIGC345Q</i> ..... <b>45.00</b>	Color Grad Orange #1 Item # <i>HIGO145</i> ..... <b>45.00</b>	Color Grad Sepia #3 Item # <i>HIGS345</i> ..... <b>45.00</b>	Color Grad Yellow #1 Item # <i>HIGY145</i> ..... <b>45.00</b>
Color Grad Chocolate #1 Item # <i>HIGCH145</i> ..... <b>45.00</b>	Color Grad Orange #2 Item # <i>HIGO245</i> ..... <b>45.00</b>	Color Grad Sky Blue #2 Item # <i>HIGSB245</i> ..... <b>45.00</b>	Color Grad Yellow #2 Item # <i>HIGY245</i> ..... <b>45.00</b>
Color Grad Chocolate #2 Item # <i>HIGCH245</i> ..... <b>45.00</b>	Color Grad Orange #3 (21) Item # <i>HIGO345</i> ..... <b>45.00</b>	Color Grad Straw #1 Item # <i>HIGST145</i> ..... <b>45.00</b>	Color Grad Yellow #3 Item # <i>HIGY345</i> ..... <b>45.00</b>
Color Grad Chocolate #3 Item # <i>HIGCH345</i> ..... <b>45.00</b>		Color Grad Straw #2 Item # <i>HIGST245</i> ..... <b>45.00</b>	

### 4x5" Combination Graduated Filters

Combination Graduated filters are overall warming filters (81B or 81EF) with gradual neutral density combined in one filter. They are used by photographers and videographers who prefer using fewer filters between the subject and the film. It is also used as a cost saver.



Taken with a Graduated Neutral Density filter. Note darkening on upper portion of picture.

Combination Grad 81B + ND 0.3 Item # <i>HIG81BND.345</i> ..... <b>72.00</b>	Combination Grad Autumn #3 + ND 0.3 Item # <i>HIGA3ND.345</i> ..... <b>82.50</b>
Combination Grad 81B + ND 0.6 Item # <i>HIG81BND.645</i> ..... <b>72.00</b>	Combination Grad Autumn #3 + ND 0.6 Item # <i>HIGA3ND.645</i> ..... <b>82.50</b>
Combination Grad 81B + ND 0.9 Item # <i>HIG81BND.945</i> ..... <b>72.00</b>	Combination Grad Autumn #3 + ND 0.9 Item # <i>HIGA3ND.945</i> ..... <b>82.50</b>
Combination Grad 81EF + ND 0.3 Item # <i>HIG81EFND.34</i> ..... <b>72.00</b>	Combination Grad Sunset #3 + ND 0.3 Item # <i>HIGSS3ND.345</i> ..... <b>82.50</b>
Combination Grad 81EF + ND 0.6 Item # <i>HIG81EFND.64</i> ..... <b>72.00</b>	Combination Grad Sunset #3 + ND 0.6 Item # <i>HIGSS3ND.645</i> ..... <b>82.50</b>
Combination Grad 81EF + ND 0.9 Item # <i>HIG81EFND.94</i> ..... <b>72.00</b>	Combination Grad Sunset #3 + ND 0.9 Item # <i>HIGSS3ND.945</i> ..... <b>82.50</b>

## S P E C I A L E F F E C T F I L T E R S

### 4x4" Movie Mist (Diffusing) Filters

These filters were originally designed for the motion picture market, but have become very popular in the still market-place. The diffusion effect is created by a very fine dot pattern, the reproducibility of which is controlled by a laser system. These filters are available in

black and clear, in density range of 1-4, allowing you to create effects ranging from subtle to dramatic. Density #1 and #2 is recommended for portrait work. #3 and #4 are used to create a definite effect rather than a subtle softening and is recommended for landscape.

Movie Mist Clear #1	
<i>Item # HIMMC144.....</i>	<b>40.50</b>
Movie Mist Clear #2	
<i>Item # HIMMC244.....</i>	<b>40.50</b>
Movie Mist Clear #3	
<i>Item # HIMMC344.....</i>	<b>40.50</b>
Movie Mist Clear #4	
<i>Item # HIMMC444.....</i>	<b>40.50</b>



Movie Mist Black #1	
<i>Item # HIMMB144.....</i>	<b>40.50</b>
Movie Mist Black #2	
<i>Item # HIMMB244.....</i>	<b>40.50</b>
Movie Mist Black #3	
<i>Item # HIMMB344.....</i>	<b>40.50</b>
Movie Mist Black #4	
<i>Item # HIMMB444.....</i>	<b>40.50</b>

### 4x4" Softnet Filters

Softnet white filters are made from net material, which is part of the resin. It creates a soft diffusion effect while adding a misty look. Produces halation from highlights; dark areas appear less dense.

Softnet black filters are also made from net material, which is part of the resin. It creates a soft diffusion effect while causing no halation from highlights. Dark areas remain dark.

Softnet White #1	Softnet White #2	Softnet Black #1	Softnet Black #2
<i>Item # HISNW144.....</i>	<i>Item # HISNW244.....</i>	<i>Item # HISNB144.....</i>	<i>Item # HISNB244.....</i>
<b>37.50</b>	<b>37.50</b>	<b>37.50</b>	<b>37.50</b>

### 4x4" Fog Filters

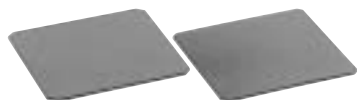
The fog effect filter creates or enhances the effect of a natural fog. Fog filters have the ability to cause lights to flare and "mist" to appear

where none previously existed. An even mist density is produced throughout the scene.

Fog #1	Fog #2
<i>Item # HIF144.....</i>	<i>Item # HIF244.....</i>
<b>37.50</b>	<b>37.50</b>

### 4x4" Enhancing Filters

Red enhancer amplifies the red part of the spectrum, giving red objects more visual impact. Super enhancer amplifies on a broad basis the warm part of the spectrum. Ideal for achieving more aesthetic skin tones.



Enhancer	
<i>Item # HIE44.....</i>	<b>240.00</b>
Super Enhancer	
<i>Item # HISE44.....</i>	<b>405.00</b>

### 4x4" Star Filters

Star filters produce a star effect from many different light sources. Bright star line effects, which generate excitement and can enhance mood and glamour, are created from either original light sources or bright reflections. A suitable light source is not always obvious. Star



filters are frequently used to add sparkle to a water scene, candle flames, stadium spotlights, product photography of jewelry and crystal, street lamp scenes, sequined clothing, reflections off automobiles and contemporary architecture.

4 Point Star	8 Point Star
<i>Item # HIS444.....</i>	<i>Item # HIS844.....</i>
<b>40.50</b>	<b>40.50</b>
6 Point Star	
<i>Item # HIS644.....</i>	<b>40.50</b>

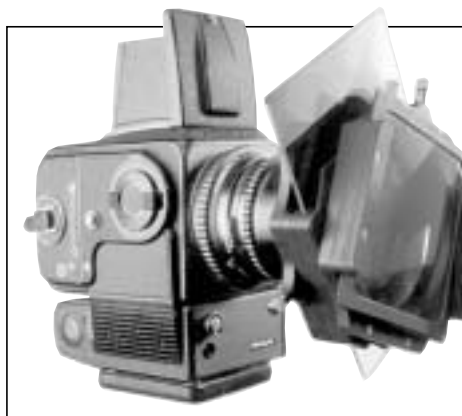
### Blank Filters

Drill, smear with resins, oils, adhesives or just about any substance to create your own unique effects. Available in standard and graduate sizes - the latter being suitable for the production of adjustable zones.



4x4" Blank Filter
<i>Item # HIB44.....</i>
<b>19.50</b>
4x5" Blank Filter
<i>Item # HIB45.....</i>
<b>22.50</b>

## FILTER HOLDERS AND ADAPTERS



The Lee Filter system represents the total approach to filtration in stills photography. It is a package designed to enable you to choose exactly the components you want, to create the optimum setup to suit your individual photographic needs. Everything has been planned into the system to provide flexibility and performance.

There is a filter holder with removable guides which enable you to decide which combinations of filters, from gels up to 4mm in thickness, would be most suitable for your needs: a key element of the design enables the holder to rotate so that you can make the most of filter effects. Additionally, it clips easily on and off the camera - an important feature for the user.

The advantage of being able to rotate filters in the holder is enhanced when two or more holders are fitted together to accept additional filters.

The system also features a unique lightweight lens hood which operates without the restrictions of rails or guides.

## Resin Filter Holders

## Foundation Kit (FK)

Consists of a back plate, a pair of back cover plates, 4 pairs of filter holder guides (to hold gel filters up to 1mm thick, to hold filters 1.5-2mm thick and 2 guides to hold filters from 2 to 4mm thick), a pair of front cover plates, 4 screws, a screw driver and a carry pouch. Requires lens adapter ring.

Item # **LEFK**.....**94.95**

## Upgrade Kit (UK)

Enables a second holder to slide onto the front of the Foundation Kit, allowing additional filters to be placed and rotated in front of the lens. The Upgrade Kit consists of a back plate, 2 pairs of back cover plates, 4 pairs of filter holder guides, a pair of front cover plates, 8 screws, a tandem adapter and a carry pouch. Requires lens adapter ring.

Item # **LEUK**.....**119.95**

## Professional Kit (PK)

Contains both the Foundation Kit and Upgrade Kit.

Item # **LEPK**.....**179.95**

Lens Hood with Two Filter Slots



## Lens Hood (LH)

A unique lightweight bellows lens hood which operates without the restrictions of rails and guides. On both the Upgrade and Foundation Kits, the lens hood simply slides into place at the front of the holder. The hood can also be fitted directly to the lens when using the adapter ring. Lens hood is rotatable.

Item # **LELH**.....**96.00**

## Lens Hood with One Filter Slot (LHS)

Same as Lens Hood, but with rear filter slot to fit 4" 2mm thick Lee filters and front slot to fit 4½" vignettes.

Item # **LELHFS**.....**108.00**

## Lens Hood with Two Filter Slots (LH2S)

Same as above, with two filter slots to fit Lee 4" 2mm thick filters.

Item # **LELHFS2**.....**116.00**

## Wide Angle Lens Hood (WALH)

Item # **LELHWA**.....**219.95**

## Wide Angle Lens Hood with One Filter Slot (WALHS)

Item # **LELHWAFS**.....**229.95**

## Wide Angle Lens Hood with Two Filter Slots (WALH2S)

Item # **LELHWAFS2**.....**229.95**

For lens hoods for Cokin, see Cokin.

## Lens Adapter Rings

## 49mm Adapter Ring

Item # **LEAR49**.....**37.95**

## 52mm Adapter Ring

Item # **LEAR52**.....**37.95**

## 55mm Adapter Ring

Item # **LEAR55**.....**37.95**

## 58mm Adapter Ring

Item # **LEAR58**.....**37.95**

## 93mm Adapter Ring

Item # **LEAR93**.....**96.95**

## 95mm Adapter Ring

Item # **LEAR95**.....**96.95**

## 105mm Adapter Ring

Item # **LEAR105**.....**96.95**

## 112mm Adapter Ring

Item # **LEAR112**.....**199.95**



Assorted Lee Adapter Rings

## 62mm Adapter Ring

Item # **LEAR62**.....**37.95**

## 67mm Adapter Ring

Item # **LEAR67**.....**37.95**

## 72mm Adapter Ring

Item # **LEAR72**.....**37.95**

## 77mm Adapter Ring

Item # **LEAR77**.....**37.95**

## 82mm Adapter Ring

Item # **LEAR82**.....**68.50**

## 86mm Adapter Ring

Item # **LEAR86**.....**68.50**

## Hasselblad B50 Adapter Ring

Item # **LEARB50**.....**68.50**

## Hasselblad B60 Adapter Ring

Item # **LEARB60**.....**68.50**

## Hasselblad B70 Adapter Ring

Item # **LEARB70**.....**68.50**

## Rollei B6 Adapter Ring

Item # **LEARB6**.....**96.95**

## Series 7 Adapter Ring

Item # **LEARS7**.....**199.95**

## Series 9 Adapter Ring

Item # **LEARS9**.....**96.95**



## F I L T E R S   B L A C K   A N D   W H I T E

### Wide Angle Adapter Rings

49mm Wide Angle  
Adapter Ring  
*Item # LEARWA49.....61.95*

58mm Wide Angle  
Adapter Ring  
*Item # LEARWA58.....61.95*

52mm Wide Angle  
Adapter Ring  
*Item # LEARWA52.....61.95*

62mm Wide Angle  
Adapter Ring  
*Item # LEARWA62.....61.95*

55mm Wide Angle  
Adapter Ring  
*Item # LEARWA55.....61.95*

67mm Wide Angle  
Adapter Ring  
*Item # LEARWA67.....61.95*

58mm and 55mm  
Wide Angle  
Adapter Rings  
*Item # LEARWA72 .....61.95*

72mm Wide Angle  
Adapter Ring  
*Item # LEARWA77 .....61.95*

82mm Wide Angle  
Adapter Ring  
*Item # LEARWA82 .....69.50*



### Accessories

Cardboard mounts will fit other size polyester or gel filters, to fit into 4x4" (100 x 100mm) filter slot.

3x3" (75 x 75mm) 10  
Cardboard Mounts  
*Item # LECBM33.....19.95*

Side Guides 1mm (Pair)  
Replacement.  
*Item # LESG1.....3.50*

7/8" Screws (4)  
*Item # LES78.....1.95*

Spring Clip Housing (SCH)  
*Item # LESCH.....18.00*

4x4" (100 x 100mm)  
10 Cardboard Mounts  
*Item # LECBM44.....19.95*

Side Guides 2mm (Pair)  
Replacement.  
*Item # LESG2.....3.50*

3/4" Screws (4)  
*Item # LES34.....1.95*

Filter Holder Vignetting Kit  
*Item # LEFHVK.....6.95*

3 1/4 x 3 1/4" (84 x 84mm) 3  
Cardboard Mounts for Cokin P  
*Item # LECBMCP.....7.95*

Side Guides 4mm (Pair)  
Replacement.  
*Item # LESG4.....3.50*

5/8" Screws (4)  
*Item # LES58.....1.95*

Lens Hood Rails with Screws  
*Item # LERLH.....8.95*

3 1/4 x 4" (84 x 99mm) 3 Cardboard  
Mounts for Cokin P XL  
*Item # LECBMCPXL.....9.95*

Tandem Adapter  
The Tandem adapter allows the  
joining together of two filter  
holders, to enable the mount-  
ing of a total of 7 filters.  
*Item # LETA .....29.95*

1/2" Screws (4)  
*Item # LES.5.....1.95*

Filter Cleaning Solution (60ml)  
*Item # LEFC.....5.95*

Hi-Tech Filter Extension Slides (6)  
*Item # LEES .....9.95*

Tandem  
Adapter



4x4" Filter Pouch  
Replacement.  
*Item # LEFP44.....8.00*

4x6" Filter Pouch  
Replacement.  
*Item # LEFP46.....8.00*

### 4x4 Filters for Black and White Film

The resin filter is an alternative to the old type of glass "sandwich" filters - two pieces of glass with gelatin in between - which are bulky and prone to break or separate if dropped.  
Lee resins are made of lightweight, optically correct polymeric materials which are robust, easy-to-handle and just wipe clean.



Light Yellow #3  
*Item # LE344.....69.95*

Yellow #8  
*Item # LE844.....69.95*

Yellow Orange #16  
*Item # LE1644.....69.95*

Yellow Green #11  
*Item # LE1144.....69.95*

Orange #21  
*Item # LE2144.....69.95*

Deep Yellow #12  
*Item # LE1244.....69.95*

Light Red #23A  
*Item # LE23A44.....69.95*

Deep Yellow #15  
*Item # LE1544.....69.95*

Red #25  
*Item # LE2544.....69.95*

## 4x4" Resin Color Temperature Adjustment Filters

These filters are used both to convert the color temperature of a light source to balance with the film type in use, and to create an intentional warm or cool effect.

RESIN COLOR TEMPERATURE ADJUSTMENT FOR 4X4" FILTERS					
	No.	Approximate Exposure Increase	Conversion	Item #	Price
BLUE for Major Adjustment	80A	2	3200 K to 5500 K	LE80A44	49.95
	80B	1½	3400 K to 5500 K	LE80B44	49.95
	80C	1	3800 K to 5500K	LE80C44	49.95
	80D	½	4200K to 5500 K	LE80D44	49.95
PALE BLUE for Fine Adjustment	82	½	3100 K to 3200 K	LE8244	49.95
	82A	½	3000 K to 3200 K	LE82A44	49.95
	82B	¾	2900 K to 3200 K	LE82B44	49.95
	82C	¾	2800 K to 3200 K	LE82C44	49.95
AMBER for Major Adjustment	85	¾	5500 K to 3400 K	LE8544	49.95
	85B	¾	5500 K to 3200 K	LE85B44	49.95
	85C	½	5500 K to 3800 K	LE85C44	49.95
PALE AMBER for Fine Adjustment	81	½	3300 K to 3200 K	LE8144	49.95
	81A	½	3400 K to 3200 K	LE81A44	49.95
	81B	½	3500 K to 3200 K	LE81B44	49.95
	81C	½	3600 K to 3200 K	LE81C44	49.95
	81D	¾	3700 K to 3200 K	LE81D44	49.95
	81EF	¾	3850 K to 3200 K	LE81EF44	49.95

## 4x4" Resin Coral Filters

These are warming filters available in a wide range of densities. Used to adjust Kelvin temperature for different times of day. Also used as a warming filter to enhance skintones.

4X4" RESIN CORAL FILTER SPECIFICATIONS			
FILTER	KELVIN TEMPERATURE	ITEM #	PRICE
Coral #1	4545° K	LEC144	49.95
Coral #2	4225° K	LEC244	49.95
Coral #3	4000° K	LEC344	49.95
Coral #4	3774° K	LEC444	49.95
Coral #5	3570° K	LEC544	49.95
Coral #6	3390° K	LEC644	49.95
Coral #7	3225° K	LEC744	49.95
Coral #8	3076° K	LEC844	49.95
Coral #9	3941° K	LEC944	49.95
Coral #10	2817° K	LEC1044	49.95
Coral #11	2703° K	LEC1144	49.95
Coral #12	2597° K	LEC1244	49.95
Coral #13	2500° K	LEC1344	49.95
Coral #14	2409° K	LEC1444	49.95

## FLUORESCENT, COLOR COMPENSATING AND NEUTRAL DENSITY FILTERS

### 4x4" Fluorescent Correction Filters

This system offers filter solutions to many fluorescent correction problems. both color temperature conversion and green absorption functions are combined into one filter. The filter used depends on tube and film type. In mixed lighting conditions, tests using a color meter are recommended.

#### FLUORESCENT CORRECTION FILTERS

Film Type	Filter	Approximate Exposure Increase	Conversion	Item #	Price
TUNGSTEN (3200K)	FL 57-B	1 1/2 Stops	5700K to Tungsten	LEFLB570044	59.95
	FL 43-B	1 Stop	4300K to Tungsten	LEFLB430044	59.95
	FL 36-B	2/3 Stop	3600K to Tungsten	LEFLB360044	59.95
DAYLIGHT (5500K)	FL 57-D	2/3 Stop	5700K to Daylight	LEFLD570044	59.95
	FL 43-D	1 Stop	4300K to Daylight	LEFLD430044	59.95
	FL 36-D	1 1/2 Stop	3600K to Daylight	LEFLD360044	59.95

### 4x4" Color Compensating Filters (CC)

Recommended for use in front of or behind the camera lens, these filters control the spectrum by reducing the transmission at specific wavelengths. They are primarily used to color balance films - the required filter being determined as a result of tests, or as specified by the manufacturer. They can also be useful for correcting light sources for which no one conversion filter exists, or for adding a deliberate color bias.

Color Compensating Filter  
Cyan  
Item # LECC( )C44 ....**49.95**

Color Compensating Filter  
Magenta  
Item # LECC( )M44 ...**49.95**

Color Compensating Filter  
Red  
Item # LECC( )R44 ....**49.95**

Color Compensating Filter  
Green  
Item # LECC( )G44 ....**49.95**

Color Compensating Filter  
Yellow  
Item # LECC( )Y44.....**49.95**

*To order Lee Color Compensating filters, just insert filter diameter (from charts below) after the blank space.*

Color Compensating Filter  
Blue  
Item # LECC( )B44.....**49.95**

### 4x4" COLOR COMPENSATING FILTERS

	APPROXIMATE EXPOSURE INCREASE IN STOPS									
	025	05	10	15	20	25	30	40	50	
Cyan	Nil	1/3	1/3	1/3	1/3	1/3	2/3	2/3	2/3	Principally absorbs Red
Yellow	Nil	Nil	1/3	1/3	1/3	1/3	1/3	1/3	1/3	Principally absorbs Blue
Magenta	Nil	1/3	1/3	1/3	2/3	2/3	2/3	1	1	Principally absorbs Green
Red	Nil	1/3	1/3	1/3	2/3	2/3	2/3	1	1	Principally absorbs Blue & Green
Green	Nil	1/3	1/3	1/3	1/3	1/3	1/3	2/3	2/3	Principally absorbs Blue & Red
Blue	Nil	1/3	1/3	1/3	2/3	1	1 1/2	1 1/2	1 1/2	Principally absorbs Red & Green

### 4x4" Neutral Density Filters (ND)

These filters reduce light transmission uniformly over the visible region of the spectrum, in definitive steps. Although used mainly in color photography for reducing light levels without color change, they can also be

used for black and white photography. They are particularly useful for compensating for too much light, in circumstances where changing the shutter speed, aperture or film type is neither possible or desirable.

Neutral Density 0.3 (1 Stop)  
Item # LEND.344.....**60.00**

Neutral Density 0.6 (2 Stops)  
Item # LEND.644.....**60.00**

Neutral Density 0.9 (3 Stops)  
Item # LEND.944.....**60.00**



## NEUTRAL DENSITY AND GRADUATED FILTERS

## Neutral Density Combination Filters

Neutral density combination filters reduce light transmission, while warming at the same time.

81EF Combination ND.3  
Item # LE81EFND.344...**94.95**

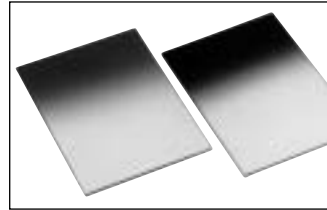
81EF Combination ND.6  
Item # LE81EFND.644...**94.95**

81EF Combination ND.9  
Item # LE81EFND.944...**94.95**

85 Combination ND.3  
Item # LE85ND.344 .....**94.95**

85 Combination ND.6  
Item # LE85ND.644 .....**94.95**

85 Combination ND.9  
Item # LE85ND.944 .....**94.95**



85B Combination ND.3  
Item # LE85BND.344.....**94.95**

85B Combination ND.6  
Item # LE85BND.644.....**94.95**

85B Combination ND.9  
Item # LE85BND.944.....**94.95**

## 4x6" Graduated Filters

Graduated filters feature an area of color or effect at one end of the resin, but clear at the other end. This enables the color or effect to be placed in a specific area of the frame.

Three types of graduation are available: soft, in which the transition from color to clear is very slow; hard, where the transition is rapid; and blenders, with the graduation covering the entire area of the filter.

Graduated filters come in 4x6" (100 x 150mm). This enables the color or effect to be placed in a specific area of the frame, and of-course with the rotating system filters, can be placed in any position desired.

One of the most popular grads is the Sky Blue filter, which, if used on a dull or gray day, can transform an uninspiring sky to a summery blue. The following grad filters are available in densities 1 through 5:

Grad Soft Sky Blue  
Item # LEGSB( )S46.....**49.95**

Grad Hard Sky Blue  
Item # LEGSB( )H46.....**49.95**

Grad Soft Blue  
Item # LEGBL( )46.....**49.95**

Grad Soft Magenta  
Item # LEGM( )S46.....**49.95**

Grad Hard Magenta  
Item # LEGM( )H46.....**49.95**

Grad Soft Red  
Item # LEGR( )46.....**49.95**

Grad Soft Chocolate  
Item # LEGCH( )S46.....**59.95**

Grad Hard Chocolate  
Item # LEGCH( )H46...**59.95**

The following Grad filters are available in densities 1 through 3:

Grad Soft Tobacco  
Item # LEGTO( )S46 ..**59.95**

Grad Hard Tobacco  
Item # LEGTO( )H46 .**59.95**

Grad Soft Sepia  
Item # LEGS( )S46.....**59.95**

Grad Hard Sepia  
Item # LEGS( )H46.....**59.95**

Grad Blender Sunset  
Item # LEGSS( )46.....**64.80**

To order Lee 4x6" Resin Graduated filters, just insert filter density into item number in blank space.

## 4x6" Graduated Coral Filters

Graduated Coral filters are available in densities 1 through 7.

Grad Soft Edge Coral  
Item # LEGC( )S46.....**49.95**

Grad Hard Edge Coral  
Item # LEGC( )H46.....**49.95**

To order Lee 4x6" Resin Graduated Coral filters, just insert filter density into item number in blank space.

## 4x6" Graduated Neutral Density Filters

Graduated Neutral Density filters are available in 5 densities.

ND.3 1 Stop Darkest Area	ND.45 1½ Stops Darkest Area	ND.6 2 Stops Darkest Area	ND.75 2½ Stops Darkest Area	ND.9 3 Stops Darkest Area
-----------------------------	--------------------------------	------------------------------	--------------------------------	------------------------------

Grad Soft Edge Neutral Density  
Item # LEGND\_\_S46 .....**59.95**

Grad Hard Edge Neutral Density  
Item # LEGND\_\_H46 .....**59.95**

Grad Blender Neutral Density  
Item # LEGND\_\_B46 .....**59.95**

To order Lee 4x6" Resin Graduated Neutral density filters, just insert filter density into item number in blank space.

## SPECIAL EFFECTS FILTERS

### 4x6" Miscellaneous Resin Color Grads

Grad Soft Edge Orange 2  
Item # **LEGO2S46** .....**49.95**

Grad Soft Edge Green 3  
Item # **LEGGR346**.....**49.95**

Grad Blender Pink 1  
Item # **LEGP1B46** .....**49.95**

Grad Soft Edge Green  
Item # **LEGGRS46**.....**49.95**

Grad Soft Edge Pink 1  
Item # **LEGP1S46**.....**49.95**

Grad Hard Edge Blue 5  
Item # **LEGBL5H46** .....**49.95**



### 4x6" Combination Graduated Filters

Combination graduated filters are manufactured 2 ways. A color warming filter combined with a graduated neutral density, and a graduated warming filter combined with a neutral density filter in

opposite direction into one filter. Both types of filters are used by photographers and videographers who prefer using less filters between the subject and the film. It also serves as a cost saver.

#### Type A (with) Filters

Grad 85 with .3ND  
Item # **LEG85ND.346**.....**94.95**

Grad 85B with .6ND  
Item # **LEG85BND.646**.....**94.95**

Grad 85 with .6ND  
Item # **LEG85ND.646**.....**94.95**

Grad 85B with .9ND  
Item # **LEG85BND.946**.....**94.95**

Grad 85 with .9ND  
Item # **LEG85ND.946**.....**94.95**

Grad 81EF with .3ND  
Item # **LEG81EFND.34**.....**94.95**

Grad 85 with .3ND Hard  
Item # **LEG85ND.3H46**...**94.95**

Grad 81EF with .6ND  
Item # **LEG81EFND.64**.....**94.95**

Grad 85 with .9ND Hard  
Item # **LEG85ND.9H46**...**94.95**

Grad 81EF with .9ND  
Item # **LEG81EFND.94**.....**94.95**

Grad 85B with .3ND  
Item # **LEG85BND.346**.....**94.95**

#### Type B (to) Filters

Grad 85 to .3ND  
Item # **LEG85ND.346Q**...**94.95**

Grad 85B to .3ND  
Item # **LEG85BND.34Q**...**94.95**

Grad 85 to .6ND  
Item # **LEG85ND.646Q**...**94.95**

Grad 85B to .6ND  
Item # **LEG85BND.64Q**...**94.95**

Grad 85 to .9ND  
Item # **LEG85ND.946Q**...**94.95**

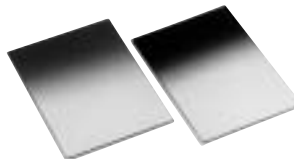
Grad 85B to .9ND  
Item # **LEG85BND.94Q**...**94.95**

Grad 85 to .3ND Hard  
Item # **LEG85ND.3H4Q**.....**94.95**

Grad 81EF to .3ND  
Item # **LEG81EFND.3Q**...**94.95**

Grad 81EF to .6ND  
Item # **LEG81EFND.6Q**...**94.95**

Grad 81EF to .9ND  
Item # **LEG81EFND.9Q**...**94.95**



### 4x6" Stripe Filters

Stripe filters are used to place a band of color or an effect across a specific area of a picture. For example, if a photographer would like to give a special effect to the horizon, these filters would be a great choice. Stripe filters are 4x6", which is larger than the regular 4x4" size. This allows the filters, when used with the Lee filter holder, to be moved to any point in the frame, giving the photographer the desired effect.

Sunset Stripe  
Item # **LESSS46**.....**69.95**

Green Stripe  
Item # **LEGRS46**.....**69.95**

Red Stripe  
Item # **LEERS46**.....**69.95**

Coral Stripe  
Item # **LECS46Z**.....**69.95**

Yellow Stripe  
Item # **LEYS46**.....**69.95**

Blue 3 Stripe  
Item # **LEBL3S46** .....**69.95**

Magenta Stripe  
Item # **LEMS46Z**.....**69.95**

### 4x4" Diffusion/Star/Contrast Resin Fog Filters

Lee fog filters create and enhance the effect of a natural fog. These fog filters have the ability to cause lights to flare and "mist" to appear where none previously existed, thereby enhancing the image. An even mist density is produced throughout the scene. They are available in several strengths.

Fog 1  
Item # **LEF144**.....**49.95**

Fog 3  
Item # **LEF344**.....**49.95**

Fog 2  
Item # **LEF244**.....**49.95**

Fog 5  
Item # **LEF544**.....**49.95**



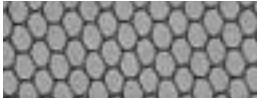
Taken with a Fog 5 filter



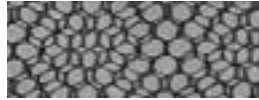
### 4x4" Net Filters

Black net creates a soft diffusion effect, while causing no halation from highlights. Dark areas remain dark. White net creates a soft diffusion effect, while adding a misty look. Producing halation from highlights, dark areas appear less dense. Flash net creates a soft diffusion effect, while enhancing flesh tones.

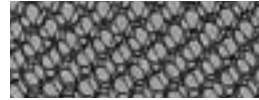
Black Net 1



Black Net 2



Black Net 3



Black Net 1  
Item # **LEBN144** .....**49.95**

Black Net 2  
Item # **LEBN244** .....**49.95**

Black Net 3  
Item # **LEBN344** .....**49.95**

Flesh Net  
Item # **LEFN44** .....**49.95**

White Net 1  
Item # **LEWN144** .....**49.95**

White Net 2  
Item # **LEWN244** .....**49.95**

White Net 3  
Item # **LEWN344** .....**49.95**

### 4x4" Mist Filters

Used to create a dreamlike soft-focus effect, this filter will remove the harsh edge off sharpness, introduce a small amount of flare and produce a mild reduction in contrast. Being 4x6" (larger size), these filters can be moved to any point in the frame to give the desired effect, when used with the Lee filter holder.

Graduated Mist  
Item # **LEGM46** .....**49.95**

Stripe Mist  
Item # **LEMS46Q** .....**49.95**

Clear Spot Mist  
Item # **LEMCS46** .....**49.95**

Mist Set (All 3 Mist Filters)  
Item # **LEMS46** .....**108.00**

### 4x6" Star Graduated Filters

Star graduated filters produce a star effect from many different light sources. They come segmented, standard grad or spot. Being 4x6" (larger size), these filters can be moved to any point in the frame to give the desired effect, when used with the Lee filter holder.

Star Segment  
Item # **LESS46Z** .....**44.80**

Star Grad  
Item # **LEGS46** .....**44.80**

Star Spot  
Item # **LESS46Y** .....**44.80**

Selective Star Set  
Consists of all 3 4x6" Resin Star Graduated filters.  
Item # **LESS46Q** .....**108.00**

### Clear Filters/Polarizer Filters

Create your own effects. Drill, smear with resins, oils, adhesives or just about any substance of your choice to create your own, unique effect. Available in standard and graduate sizes - the latter being suitable for the production of adjustable zones.

4x4" Clear Filter  
Item # **LEC44** .....**49.95**

Polarizer Filter  
4x4" Polyester.  
Item # **LEP44** .....**159.95**

4x6" Clear Filter  
Item # **LEC46** .....**49.95**

### 4x4" Low Contrast Filters

Low contrast causes light to spread from highlight areas to the shadow areas. Lowers contrast and mutes colors. White areas remain, while blacks become lighter. Allows more detail in dense shadow areas. Available in 5 densities.

Low Contrast 1/4  
Item # **LELC.2544** .....**49.95**

Low Contrast 1/2  
Item # **LELC.544** .....**49.95**

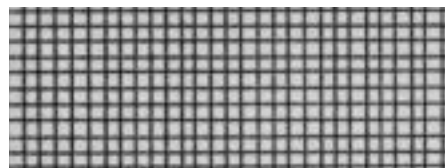
Low Contrast 3/4  
Item # **LELC.7544** .....**49.95**

Low Contrast 1  
Item # **LELC144** .....**49.95**

Low Contrast 1 1/4  
Item # **LELC1.2544** .....**49.95**

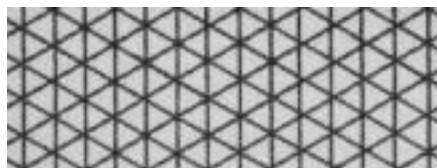
### 4x4" Star Filters

Star filters produce a star effect from many different light sources. Available in 4, 6 or 8 point stars.



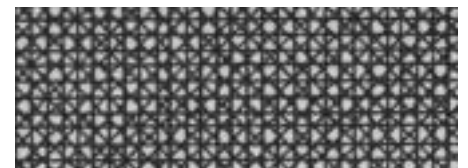
4 Point Star 1/2mm

4 Point Star 1/4mm  
Item # **LES4P.544** .....**49.95**



6 Point Star 1/2mm

6 Point Star 1/4mm  
Item # **LES6P.544** .....**49.95**



8 Point Star 1/2mm

8 Point Star 1/4mm  
Item # **LES8P.544** .....**49.95**

# LEE / LINDAHL

## FILTERS

### LEE FILTERS

#### 4x6" Resin Filter Sets

The following introductory filter sets contain three of each of the most popular filters. These filters are an important asset to photographers and videographers, as they add extra special effects or emphasize particular elements in a composition. These filters in the larger 4x6" size, if used with the Lee filter holder, can be moved to any point in the frame to give the desired effect.

##### Sky Set (SK-SET)

Consists of graduated sunset 2, coral stripe and graduated Sky Blue 3.

**Item # LESS46.....108.00**

##### Mist Set (M-SET)

Consists of graduated mist, stripe mist and clear Spot mist.

**Item # LEMS46.....108.00**

##### Color Set (CG-SET)

Consists of graduated cyan, graduated yellow and graduated magenta.

**Item # LECS46.....108.00**

##### Star Set (ST-SET)

Consists of star graduated, star spot and star segment.

**Item # LESS46Q.....108.00**

##### Pop Set (POP-SET)

Consists of pop blue, pop red, and pop green.

**Item # LEPS46.....109.50**

##### Autumn Set (AU-SET)

Consists of graduated tobacco 2, graduated chocolate 2 and graduated coral 6 warming filters.

**Item # LEAS46.....108.00**

##### Stripe Set (STR-SET)

Consists of cyan, pink and yellow stripes.

**Item # LESS46J.....108.95**

##### Pale Tint Set (PT-SET)

Consists of pink 1, cyan 1, and green 1.

**Item # LEPTS46.....108.00**

##### Net Set (NET-SET)

Consists of black net, double black white net and flash net.

**Item # LENS46.....108.00**

##### NDG Set (NDG-SET)

Consists of neutral density grad 0.3, 0.6 and 0.9.

**Item # LENDS46.....172.50**

##### Coral Set (CO-SET)

Consists of graduated coral 2, graduated coral 4 and graduated 6.

**Item # LECS46Q.....108.00**

##### Sky Blue Set (SB-SET)

Consists of graduated sky blue 1, graduated sky blue 2 and graduated sky blue 3.

**Item # LESBS46.....108.00**

#### Miscellaneous Filters

##### 4x4" Resin Sepia 1 (1 Stop)

**Item # LES144.....59.95**

##### 4x4" Resin Sepia 2 (2 Stops)

**Item # LES244.....59.95**

##### 4x4" Resin Sepia 3 (3 Stops)

**Item # LES344.....59.95**

##### 4x4" Resin Antique Suede 1

**Item # LEAS144.....59.95**

##### 4x4" Resin Antique Suede 2

**Item # LEAS244.....59.95**

##### 4x4" Resin Antique Suede 3

**Item # LEAS344.....59.95**

##### 4x4" Resin Antique Suede 4

**Item # LEAS444.....59.95**

### LINDAHL 3" EFX FILTERS

Lindahl offers a quality line of Ultra Effects (EFX) Filters. A durable alternative to gels, these filters are made in the U.S. of a high-quality, resilient CR39 optical resin material. This synthetic resin is dyed in the mass and rigorously tested by computer-controlled machinery. These 3" filters fit in the rear slot of the shade. Each filter is protected with a custom filter rim. The rim is 1/4" thick with a retrievable handle. The rim not only protects the filter, but makes it quick and easy to insert and remove. Pick a filter for beautiful scenics, breathtaking brides, professional looking portraits and more!

#### COLOR CORRECTION FILTERS

FILTER	MFG #	ITEM #	B&H PRICE	FILTER	MFG #	ITEM #	B&H PRICE
025 MAGENTA	23.3301	LICC025M33	27.50	025 GREEN	23.3331	LICC025G33	27.50
050 MAGENTA	23.3302	LICC050M33	27.50	050 GREEN	23.3332	LICC050G33	27.50
075 MAGENTA	23.3303	LICC075M33	27.50	075 GREEN	23.3333	LICC075G33	27.50
10 MAGENTA	23.3304	LICC10M33	27.50	10 GREEN	23.3334	LICC10G33	27.50
20 MAGENTA	23.3305	LICC20M33	27.50	20 GREEN	23.3335	LICC20G33	27.50
30 MAGENTA	23.3306	LICC30M33	27.50	30 GREEN	23.3336	LICC30G33	27.50
40 MAGENTA	23.3307	LICC40M33	27.50	40 GREEN	23.3337	LICC40G33	27.50
50 MAGENTA	23.3308	LICC50M33	27.50	50 GREEN	23.3338	LICC50G33	27.50
025 BLUE	23.3311	LICC025B33	27.50	025 YELLOW	23.3341	LICC025Y33	27.50
050 BLUE	23.3312	LICC050B33	27.50	050 YELLOW	23.3342	LICC050Y33	27.50
075 BLUE	23.3313	LICC075B33	27.50	075 YELLOW	23.3343	LICC075Y33	27.50
10 BLUE	23.3314	LICC10B33	27.50	10 YELLOW	23.3344	LICC10Y33	27.50
20 BLUE	23.3315	LICC20B33	27.50	20 YELLOW	23.3345	LICC20Y33	27.50
30 BLUE	23.3316	LICC30B33	27.50	30 YELLOW	23.3346	LICC30Y33	27.50
40 BLUE	23.3317	LICC40B33	27.50	40 YELLOW	23.3347	LICC40Y33	27.50
50 BLUE	23.3318	LICC50B33	27.50	50 YELLOW	23.3348	LICC50Y33	27.50
025 CYAN	23.3321	LICC025C33	27.50	025 RED	23.3351	LICC025R33	27.50
050 CYAN	23.3322	LICC050C33	27.50	050 RED	23.3352	LICC050R33	27.50
075 CYAN	23.3323	LICC075C33	27.50	075 RED	23.3353	LICC075R33	27.50
10 CYAN	23.3324	LICC10C33	27.50	10 RED	23.3354	LICC10R33	27.50
20 CYAN	23.3325	LICC20C33	27.50	20 RED	23.3355	LICC20R33	27.50
30 CYAN	23.3326	LICC30C33	27.50	30 RED	23.3356	LICC30R33	27.50
40 CYAN	23.3327	LICC40C33	27.50	40 RED	23.3357	LICC40R33	27.50
50 CYAN	23.3328	LICC50C33	27.50	50 RED	23.3358	LICC50R33	27.50

### SPECIAL EFFECT FILTERS

Description	Application	Filter	Mfg #	Item #	B&H Price
<b>Cross Star</b>	Creates "stars" of light (4 or 6 point) without degrading the overall image. Moderate apertures (f4-f8) are suggested.	4- Point Cross Star 6 - Point Cross Star	23-3101 23-3102	LIS4P33 LIS6P33	27.50 -
<b>Color Star</b>	Shoots many multi-colored rays from each pin-point light source.	Color Star	23-3171	LICS33	37.95
<b>Color Streak/Repeater</b>	Sends a brilliant colorful spear of light from each point source.	Color Streak/Repeater	23-3172	LICSR33	37.95
<b>Color Wheel 32</b>	Makes colored circles around a specular highlight with 32 rays radiating around each light source.	Color Wheel 32	23-3173	LICW3233	37.95
<b>Soft EFX Swirl</b>	Adds a whirling trail that surrounds the sharp subject. Lines convey an image of rapid rotation.	Soft EFX Swirl	23-3176	LIVSUEFX	28.50
<b>Central Sharp Diffusers</b>	Sets apart the central image from the remainder of the photograph and adds general mood to the full image. The center remains sharp while the background is diffused in either neutral, white or dark tones.	Center Sharp Diffuser-Natural Center Sharp Diffuser-Hi-Key Center Sharp Diffuser-Low-Key	23-3121 23-3122 23-3123	LICSDN33 LICSDHK33 LICSDLK33	27.50 27.50 27.50
<b>Diffusers</b>	Softens your image to produce a subtle, glamorous effect. (Glass).  Combines softening with warming, all in one filter. The warming effect produces a flattering healthy skin tone. The diffusion produces a pronounced soft look.	Soft Touch Diffusion  Warm Touch Diffusion #1 Warm Touch Diffusion #2	23-8201  23-3001 23-3002	LSTD33  LIWTD1UEFX LIWTD2UEFX	58.50  45.00 45.00
<b>Soft Ring Diffusers</b>	Concentric ring design provides circular disruption for a subtle diffusion that retains contrast, even as the diffusion increases. Ring #1 is ideal for cutting sharpness and smoothing skin tones. #2 and #3 are just a little bit heavier. (Glass)	Soft Ring Diffusion #1 Soft Ring Diffusion #2 Soft Ring Diffusion #3 Soft Ring Diffusion Set #1-3	23-8001 23-8002 23-6003 23-6000	LISD133 LISD233 LISD333 LISDS33	73.95 73.95 58.00 120.00
<b>Mist</b>	Gently colors and diffuses the entire image to achieve a dream-like quality. Great for an unusual special effect.	Rose Mist Ice Blue Mist Lemon Yellow Mist	23-3141 23-3142 23-3143	LIRM33 LIIBM33 LILYM33	27.50 27.50 27.50
<b>Fog</b>	Creates misty illusions and achieves a soft, whitish cast of mist over the entire image. (#1 least effect, #3 strongest effect)	Fog 1 Fog 2 Fog 3	23-3144 23-3145 23-3146	LIF133 LIF233 LIF333	27.50 27.50 27.50
<b>Color Enhancer</b>	Creates a more interesting photograph when light is dull. Warm a cold mood.	Color Enhancer	23-3154	LICE33	27.50
<b>Sepia</b>	Adds a beautiful "antique" quality to portraits.	Sepia	23-3155	LIS33	27.50
<b>Fluorescent</b>	Eliminates the blue-green cast found when shooting daylight color films with fluorescent lighting.	Fluorescent	23-3151	LIFLD33	27.50
<b>Skylight</b>	Helps reduce the excess blue often found in outdoor scenes.	Sky	23-3152	LISL33	27.50
<b>UV Haze</b>	Reduces ultraviolet light and haze to improve image sharpness.	UV	23-3153	LIUV33	27.50
<b>Green #11</b>	Darkens skies, improves skin tones, great for outdoor portraits.	Green	23-3191	LIGR33	27.50
<b>Red #25</b>	Cuts haze, gives the most dramatic rendering of skies, can produce an infrared effect.	Red	23-3192	LIR33	27.50
<b>Orange #15</b>	Greatly improves contrast and darkens skies, enhances wood tones and fades skin tones.	Orange	23-3193	LI033	27.50
<b>Yellow #8</b>	Most accurate rendering of sky, clouds and foliage in black & white photography.	Yellow	23-3194	LIY33	27.50

### COLOR TEMPERATURE CORRECTION FILTERS

Description	Conversion K°	Filter	MFG #	Item #	Price
Color Conversion Blue (Cool)	3400°-5500°	80A	23-3228	LI80A33	27.50
	3400°-5500°	80B	23-3227	LI80B33	27.50
	3800°-5500°	80C	23-3226	LI80C33	27.50
	4200°-5500°	80D	23-3225	LI80D33	27.50
Light Balancing Yellowish (Warm)	3300°-3200°	81	23-3211	LI8133	27.50
	3400°-3200°	81A	23-3212	LI81A33	27.50
	3500°-3200°	81B	23-3213	LI81B33	27.50
	3600°-3200°	81C	23-3214	LI81C33	27.50
	3700°-3200°	81D	23-3215	LI81D33	27.50
	3850°-3200°	81EF	23-3216	LI81EF33	27.50
Light Balancing Bluish (Cool)	3100°-3200°	82	23-3221	LI8233	27.50
	3000°-3200°	82A	23-3222	LI82A33	27.50
	2900°-3200°	82B	23-3223	LI82B33	27.50
	2800°-3200°	82C	23-3224	LI82C33	27.50
Color Conversion Amber (Warm)	5500°-3400°	85	23-3218	LI8533	27.50
	5500°-3400°	85A	23-3219	LI85A33	27.50
	5500°-3200°	85B	23-3220	LI85B33	27.50
	5500°-3800°	85C	23-3217	LI85C33	27.50

### Harrison and Harrison

Harrison & Harrison filters are glass sandwich filters. This gives the filter two plain surfaces with the optical effect in the center. Harrison filters are available in 3" style, mounted in Lindahl plastic holders.



**#1 Diffusion Effect Filter (19-5001)**  
**Item # LIHHD1 .....73.95**

**#2 Diffusion Effect Filter (19-5002)**  
**Item # LIHHD2 .....73.95**

**#3 Diffusion Effect Filter (19-5003)**  
**Item # LIHHD3 .....73.95**

**#4 Diffusion Effect Filter (19-5004)**  
**Item # LIHHD4 .....73.95**

**#5 Diffusion Effect Filter (19-5005)**  
**Item # LIHHD5 .....73.95**

# KODAK / LEE / OPTIFLEX

## FILTERS

### Description Information About Gel and Flexible Filters

Most Kodak filters are made by dissolving suitable organic dyes in liquid gelatin and coating the proper amount of the solution onto prepared glass. After the coating is dry, the gelatin film is stripped from the support material and coated with lacquer. Different dyes and manufacturing techniques, however, are employed in the preparation of cellulose acetate filters. Each filter, either gelatin or acetate, is standardized for spectral transmittance and total transmittance by special instruments which apply an optical form of limit gauge to these characteristics.

Lee polyester, Optiflex and Lindahl resin filters are manufactured with a similar process of dyeing filters in a liquid state.

Like other dyes, the dyes used in filters may, in time, change under certain conditions of heat and light.

The most complete line of filters for photographic uses is available in the form of gelatin or polyester films. Prepared in the manner described above, these filters have a thickness of 0.1mm, plus or minus 0.01mm. Because of their uniform thickness, they have excellent optical quality and are suitable for precise work in which little effect on definition and no increase in length of the

optical path can be tolerated. They are supplied as films in 75mm, 100mm and 150mm squares, and 350 x 450mm rectangles.

Optical Resin Filters are made of a rigid C-39 resin material, more durable than gel and polyester and can be cleaned too. Filter Frame provide a convenient way to hold and protect gelatin filters. If you are using the filter with a camera or enlarger lens, we recommend a Gelatin Filter Frame Holder or similar filter holder which can be inserted into a cardboard or plastic frame, which allows the gelatin or polyester filter to be used in all major filter holders, such as Hitech, Lee, Sinar and Cokin P. This holder attaches to the lens by an adapter ring of appropriate size (and step-up ring, if required.)

Kodak gelatin, Lee polyester and Optiflex resin filters come in the following sizes:

GELATIN FILTER SIZES

U.S. SIZE	METRIC	CODE	U.S. SIZE	METRIC	CODE
3 x 3"	75 x 75mm	33	6 x 6"	150 x 150mm	66
4 x 4"	100 x 100mm	44	14 x 18"	350 x 450mm	1418

### Neutral Density Filters

Visually neutral filters, with some slight blue absorption, these filters are used in black-and-white and color photography to reduce light intensity by a definite ratio without affecting the basic tonal rendition in the original scene. Densities are positive.

PRICES AND SPECIFICATIONS for NEUTRAL DENSITY FILTERS

N.D. FILTER	% TRANSMIT	FILT FACTOR	I.E. (F-STOPS)	KODAK				LEE		OPTIFLEX		ITEM #
				3x3"	4x4"	6x6"	14x18"	3x3"	4x4"	3x3"	4x4"	
				CODE # KO( )33	CODE # KO( )44	CODE # KO( )66	CODE # KO( )1418	CODE # LE( )33	CODE # LE( )44Q	CODE # OP( )33	CODE # OP( )44	
0.1	80	1.25	½	19.95	34.95	91.95	484.50	14.40	29.60	14.95	29.95	ND.1
0.2	63	1.5	¾	19.95	34.95	91.95	484.50	14.40	29.60	14.95	29.95	ND.2
0.3	50	2	1	19.95	34.95	91.95	484.50	14.40	29.60	14.95	29.95	ND.3
0.4	40	2.5	1½	19.95	34.95	91.95	484.50	14.40	29.60	—	—	ND.4
0.5	32	3	1¾	19.95	34.95	91.95	484.50	14.40	29.60	—	—	ND.5
0.6	25	4	2	19.95	34.95	91.95	484.50	14.40	29.60	14.95	29.95	ND.6
0.7	20	5	2½	19.95	34.95	91.95	484.50	14.40	29.60	—	—	ND.7
0.8	16	6	2¾	19.95	34.95	91.95	484.50	14.40	29.60	—	—	ND.8
0.9	13	8	3	19.95	34.95	91.95	484.50	14.40	29.60	14.95	29.95	ND.9
1.0	10	10	3¾	19.95	34.95	91.95	484.50	—	—	—	—	ND1.0
2.0	1	100	6¾	19.95	34.95	91.95	484.50	—	—	—	—	ND2.0
3.0	0.1	1,000	10	19.95	34.95	91.95	484.50	—	—	—	—	ND3.0
4.0	0.01	10,000	13¾	19.95	34.95	91.95	484.50	—	—	—	—	ND4.0

To order Neutral Density Filters, insert item # into the parenthesis in the middle of the code #.

FLEXIBLE FILTERS

395



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# KODAK/LEE/OPTIFLEX

## CONVERSION AND LIGHT BALANCING FILTERS

### Conversion Filters for Color Film

These filters are intended for use whenever significant changes in the color temperature of the illumination are required (e.g., daylight to artificial light). The filter may be positioned between the light source and other elements of the system, or over the camera lens in conventional photographic recording.

### Light Balancing Filters

Light-balancing filters enable the photographer to make minor adjustments in the color quality of illumination to obtain cooler (bluer) or warmer (yellower) color rendering. When using a color-temperature meter to determine the color temperature of prevailing light, or where you know the color temperature, use the following table to convert the prevailing temperature to 3200K.

#### PRICES AND SPECIFICATIONS FOR CONVERSION and LIGHT BALANCING FILTERS

FILTER COLOR	WRATTEN NUMBER	CONV. K°	BAL	E.I. (F-STOPS)	KODAK				LEE		OPTIFLEX		ITEM #
					3x3"	4x4"	6x6"	14x18"	3x3"	4x4"	3x3"	4x4"	
					CODE # KO( )33	CODE # KO( )44	CODE # KO( )66	CODE # KO( )1418	CODE # LE( )33	CODE # LE( )44Q	CODE # OP( )33	CODE # OP( )44	
Color Conversion Blue (Cool)	80A	3200°-5500°	+2300K	2	10.90	16.95	44.95	-	8.80	13.60	7.95	15.95	80A
	80B	3400°-5500°	+2100K	1½	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	80B
	80C	3800°-5500°	+1700K	1	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	80C
	80D	4200°-5500°	+1300K	½	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	80D
Light Balancing Yellowish (Warm)	81	3300°-3200°	-100K	½	10.90	16.95	44.95	-	8.80	13.60	7.95	15.95	81
	81A	3400°-3200°	-200K	½	10.90	16.95	44.95	-	8.80	13.60	7.95	15.95	81A
	81B	3500°-3200°	-300K	½	10.90	16.95	44.95	-	8.80	13.60	7.95	15.95	81B
	81C	3600°-3200°	-400K	½	10.90	16.95	44.95	-	8.80	13.60	7.95	15.95	81C
	81D	3700°-3200°	-500K	½	10.90	16.95	44.95	-	8.80	13.60	7.95	15.95	81D
Light Balancing Bluish (Cool)	81EF	3850°-3200°	-650K	¾	10.90	16.95	44.95	-	8.80	13.60	7.95	15.95	81EF
	82	3100°-3200°	+100K	½	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	82
	82A	3000°-3200°	+200K	½	10.90	16.95	44.95	-	8.80	13.60	7.95	15.95	82A
	82B	2900°-3200°	+300K	¾	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	82B
Color Conversion Amber (Warm)	82C	2800°-3200°	+400K	¾	10.90	16.95	44.95	-	8.80	13.60	7.95	15.95	82C
	85	5500°-3400°	-2100K	¾	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	85
	85B	5500°-3200°	-2300K	¾	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	85B
	85C	5500°-3800°	-1700K	½	10.90	16.95	44.95	-	8.80	13.60	7.95	15.95	85C

*To order Conversion and Light Balancing Filters, insert item # into the parenthesis in the middle of the code #.*

#### ADDITIONAL SPECIFICATIONS ON CONVERSION FILTERS

WRATTEN #	CONVERSION K°	E.I. (F-STOPS)	WRATTEN #	CONVERSION K°	E.I. (F-STOPS)
81	3510°-3400°	½	82C	2950°-3400°	¾
81A	3630°-3400°	½	82C + 82C	2490°-3200°	1½
81B	3740°-3400°	½	82C + 82C	2610°-3400°	1½
81C	3850°-3400°	½	82C + 82B	2570°-3200°	1½
81D	3970°-3400°	½	82C + 82B	2700°-3400°	1½
81EF	4140°-3400°	¾	82C + 82A	2650°-3200°	1
82	3290°-3400°	½	82C + 82A	2780°-3400°	1
82A	3180°-3400°	½	82C + 82	2720°-3200°	1
82B	3060°-3400°	¾	82C + 82	2870°-3400°	1

**Overnight Shipping Available**



# KODAK / LEE / OPTIFLEX

## FILTERS

### PRICES FOR COMBINATION NEUTRAL DENSITY WITH CONVERSION and LIGHT BALANCING FILTERS

FILTER COLORS	KODAK				KODAK ITEM #	LEE		LEE ITEM #
	3x3"	4x4"	6x6"	14x18"		3x3"	4x4"	
	CODE # KO( )33	CODE # KO( )44	CODE # KO( )66	CODE # KO( )1418		CODE # LE( )33	CODE # LE( )44Q	
81EF + ND.3	—	—	—	—	—	14.40	29.60	81EFND.3
81EF + ND.6	—	—	—	—	—	14.40	29.60	81EFND.6
81EF + ND.9	—	—	—	—	—	14.40	29.60	81EFND.9
85 + ND.3	10.90	16.95	44.95	242.95	85N3	14.40	29.60	85ND.3
85 + ND.6	10.90	16.95	44.95	—	85N6	14.40	29.60	85ND.6
85 + ND.9	10.90	16.95	44.95	—	85N9	14.40	29.60	85ND.9
85B + ND.3	10.90	—	—	—	85BN3	14.40	29.60	85BND.3
85B + ND.6	—	—	—	—	—	14.40	29.60	85BND.6
85B + ND.9	—	—	—	—	—	14.40	29.60	85BND.9

*To order Combination Filters, insert item # into the parenthesis in the middle of the code #.*

### Color Compensating Filters

Color compensating filters control by attenuating principally the red, blue or green part of the spectrum. While controlling one color, the filter transmits one or both of the other two colors. Thus, color com-

pensating filters can make changes in the color balance of pictures recorded on color films, or compensate for deficiencies in the spectral quality of a light source.

### PRICES for COLOR COMPENSATING FILTERS

FILTER	KODAK				LEE		OPTIFLEX		ITEM #
	3x3"	4x4"	6x6"	14x18"	3x3"	4x4"	3x3"	4x4"	
	CODE # KO( )33	CODE # KO( )44	CODE # KO( )66	CODE # KO( )1418	CODE # LE( )33	CODE # LE( )44Q	CODE # OP( )33	CODE # OP( )44	
Blue CC025B	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC025B
Blue CC075B	9.95	-	-	-	-	-	-	-	CC075B
Blue CC05B	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC05B
Blue CC10B	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC10B
Blue CC15B	-	-	-	-	8.80	13.60	7.95	15.95	CC15B
Blue CC20B	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC20B
Blue CC025B	-	-	-	-	8.80	13.60	7.95	15.95	CC025B
Blue CC30B	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC30B
Blue CC40B	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC40B
Blue CC50B	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC50B
Cyan CC025C	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC025C
Cyan CC075C	10.90	-	-	-	-	-	-	-	CC075C
Cyan CC05C	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC05C
Cyan CC10C	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC10C
Cyan CC15C	-	-	-	-	8.80	13.60	7.95	15.95	CC15C
Cyan CC20C	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC20C
Cyan CC25C	-	-	-	-	8.80	13.60	-	-	CC25C
Cyan CC30C	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC30C
Cyan CC40C	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC40C
Cyan CC50C	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC50C

*continued*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# KODAK/LEE/OPTIFLEX

## F I L T E R S

FLEXIBLE FILTERS

398

PRICES for COLOR COMPENSATING FILTERS, *continued*

FILTER	KODAK				LEE		OPTIFLEX		ITEM #
	3x3"	4x4"	6x6"	14x18"	3x3"	4x4"	3x3"	4x4"	
	CODE # KO( )33	CODE # KO( )44	CODE # KO( )66	CODE # KO( )1418	CODE # LE( )33	CODE # LE( )44Q	CODE # OP( )33	CODE # OP( )44	
Green CC075G	9.95	-	-	-	-	-	-	-	CC075G
Green CC025G	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC025G
Green CC05G	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC05G
Green CC10G	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC10G
Green CC15G	-	-	-	-	8.80	13.60	-	-	CC15G
Green CC20G	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC20G
Green CC25G	-	-	-	-	8.80	13.60	-	-	CC25G
Green CC30G	10.90	16.95	44.95	-	8.80	13.60	7.95	15.95	CC30G
Green CC40G	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC40G
Green CC50G	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC50G
Magenta CC075M	9.95	-	-	-	-	-	-	-	CC075M
Magenta CC025M	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC025M
Magenta CC05M	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC05M
Magenta CC10M	10.90	16.95	44.95	229.95	8.80	13.60	7.95	15.95	CC10M
Magenta CC15M	-	-	-	-	8.80	13.60	7.95	15.95	CC15M
Magenta CC20M	10.90	16.95	44.95	229.95	8.80	13.60	7.95	15.95	CC20M
Magenta CC25M	-	-	-	-	8.80	13.60	-	-	CC25M
Magenta CC30M	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC30M
Magenta CC40M	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC40M
Magenta CC50M	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC50M
Red CC075R	9.95	-	-	-	-	-	-	-	CC075R
Red CC025R	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC025R
Red CC05R	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC05R
Red CC10R	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC10R
Red CC15R	-	-	-	-	8.80	13.60	7.95	15.95	CC15R
Red CC20R	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC20R
Red CC25R	-	-	-	-	8.80	13.60	-	-	CC25R
Red CC30R	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC30R
Red CC40R	10.90	16.95	44.95	-	8.80	13.60	7.95	15.95	CC40R
Red CC50R	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC50R
Yellow CC025Y	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC025Y
Yellow CC05Y	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC05Y
Yellow CC10Y	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC10Y
Yellow CC15Y	-	-	-	-	8.80	13.60	7.95	15.95	CC15Y
Yellow CC20Y	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC20Y
Yellow CC25Y	-	-	-	-	8.80	13.60	-	-	CC25Y
Yellow CC30Y	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC30Y
Yellow CC40Y	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC40Y
Yellow CC50Y	10.90	16.95	44.95	242.95	8.80	13.60	7.95	15.95	CC50Y

*To order Color Compensating Filters, insert item # into the parenthesis in the middle of the code #.*

**We Ship Worldwide**

## Fluorescent Correction Filters

This system offers filter solutions to many fluorescent correction problems. Both color temperature conversion and green absorption functions are combined into one filter: the filter used depends on tube and film type. In mixed lighting conditions, tests using a color meter are recommended.

### LEE FLUORESCENT CORRECTION FILTERS

FILTER TYPE	FILTER	APPROXIMATE EXPOSURE INCREASE	CONVERTING	LEE 3x3"	LEE 4x4"	ITEM #
				CODE # LE( )33	CODE # LE( )44Q	
Tungsten (3200)	FL 57B	1½ Stops	5700K to Tungsten	8.80	13.60	FLB5700
	FL 43B	1 Stop	4300K to Tungsten	8.80	13.60	FLB4300
	FL 36B	¾ Stop	3600K to Tungsten	8.80	13.60	FLB3600
Daylight (5500K)	FL 57D	¾ Stop	5700K to Daylight	8.80	13.60	FLD5700
	FL 43D	1 Stop	4300K to Daylight	8.80	13.60	FLD4300
	FL 36D	1½ Stops	3600K to Daylight	8.80	13.60	FLD3600

*To order Fluorescent Correction Filters, insert item # into the parenthesis in the middle of the code #.*

## Lee ARC Correction Filters (CT)

Similar to the Fluorescent Correction range, these filters offer a single filter correction from mercury vapor and high pressure sodium lighting to daylight or tungsten film.

### PRICES AND SPECIFICATIONS FOR ARC CORRECTION FILTERS (CT)

FILTER TYPE	FILTER	APPROXIMATE EXPOSURE INCREASE	CONVERTING	LEE 3x3"	LEE 4x4"	ITEM #
				CODE # LE( )33	CODE # LE( )44Q	
Tungsten (3200K)	HPS-T	2 Stops	Hi-Pressure Sodium	8.80	13.60	HPST
	MV-T	2 Stops	Mercury Vapor	8.80	13.60	MVT
Daylight (5500K)	HPS-D	3 Stops	Hi-Pressure Sodium	8.80	13.60	HPSD
	MV-D	2½ Stops	Mercury Vapor	8.80	13.60	MVD

*To order ARC Correction Filters, insert item # into the parenthesis in the middle of the code #.*

## 4x4" Lee Polyester Filter Sets

The following 4x4" polyester filter sets are enclosed in a cardboard frame and can be used with most popular 4x4" (125mm) holders.

### Soft Set (SFT-Set)

Consists of five soft focus filters in a cardboard frame.

**Item # LESSZ.....48.00**

### CT Set (CT-Set)

Consists of four of the most common color correction filters which give basic color temperature adjustment. 80A, 80C, 85B and 85C.

**Item # LECTS .....48.00**

### Fine CT Set (FCT-Set)

Consists of four filters which give color temperature control in small increments. 82C, 82A, 81D and 81A.

**Item # LEFCTS.....48.00**

### D FL Set (DFL-Set)

Consists of three daylight fluorescent correction filters for the lens and a selection of lighting filters for the flash.

**Item # LEDFS .....48.00**

### T FL Set (TFL-Set)

Consists of three tungsten fluorescent correction filters for the lens and a selection of lighting filters for the flash.

**Item # LETFS.....48.00**

### Black & White (BW-Set)

Consists of 4 filters for black-and-white photography. Yellow #8, Yellow-Green #11, Orange #21 and Light Red #23A.

**Item # LEBWS .....48.00**

### Magenta Set (MAG-Set)

Consists of four magenta filters in a cardboard frame for color balancing. CC05M, CC10M, CC20M and CC30M.

**Item # LEMS.....48.00**

### ND Set (ND-Set)

Consists of three reducing light levels. ND 0.3 (1-stop), ND 0.6 (2-stops) and ND 0.9 (3-stops).

**Item # LENDS.....48.00**

# KODAK / LEE

## FILTERS

FLEXIBLE FILTERS

400

### Color Filters for B&W

COLOR FILTERS for B&W								
FILTER	DESCRIPTION AND SOME OF ITS USES	KODAK				LEE		ITEM #
		3x3"	4x4"	6x6"	14x18"	3x3"	4x4"	
		CODE # KO( )33	CODE # KO( )44	CODE # KO( )66	CODE # KO( )1418	CODE # LE( )33	CODE # LE( )44Q	
3	Light yellow. Removes some excess blue in aerial photos.	24.95	39.95	109.95	579.95	8.80	13.60	3
8	Yellow.	10.90	16.95	44.95	242.95	8.80	13.60	8
9	Deep yellow. More dramatic effect than No. 8.	24.95	39.95	109.95	-	-	-	9
11	Yellowish Green. Corrects panchromatic film to tungsten eye response.	10.90	16.95	44.95	242.95	8.80	13.60	11
12	Deep yellow. Minus-blue filter (see #32 for minus-green and #44A for minus-red).	10.90	16.95	44.95	242.95	8.80	13.60	12
15	Deep yellow. Darkens sky in landscape photography.	10.90	16.95	44.95	242.95	8.80	13.60	15
16	Yellow-orange. Permits greater overcorrection of sky than #15.	10.90	16.95	44.95	242.95	8.80	13.60	16
21	Orange. Contrast filter used for blue and blue-green absorption.	24.95	39.95	109.95	579.95	8.80	13.60	21
22	Deep orange. Contrast filter, greater green absorption than #21.	10.90	16.95	44.95	242.95	-	-	22
23A	Light red. Contrast filter. Ideal for shooting objects or architecture.	-	-	-	-	8.80	13.60	23A
25	Red tricolor. Used for color separation work, tricolor printing and infrared photography.	10.90	16.95	44.95	229.95	12.00	24.95	25
26	Red. For 3-D anaglyph viewing with a #55 filter (green).	24.95	39.95	109.95	579.95	-	-	26
29	Deep red tricolor. Used with #'s 47 and 61 for separation and tricolor printing work.	10.90	16.95	44.95	242.95	-	-	29
32	Magenta. Minus-green (#12 is minus-blue, #44A is minus-red).	24.95	39.95	109.95	579.95	-	-	32
34A	Violet. For minus-green and plus-blue separation.	24.95	39.95	109.95	579.95	-	-	34
38A	Blue. Absorbs red, some UV and green light.	24.95	39.95	109.95	579.95	-	-	38A
44	Light blue-green. Minus-red filter with much UV absorption.	24.95	39.95	109.95	579.95	-	-	44
44A	Light blue-green. Minus-red (#12 is minus-blue, and #32 is minus-green).	24.95	39.95	109.95	579.95	-	-	44A
47	Blue tricolor. Used with #'s 29 and 61 for color separation work.	10.90	16.95	44.95	242.95	-	-	47
47A	Light blue. Used for exciting fluorescent dye in medical applications.	24.95	39.95	109.95	579.95	-	-	47A
47B	Deep blue tricolor. Used for color separation and tricolor work.	24.95	39.95	109.95	579.95	12.00	22.40	47B
58	Green tricolor. Used for color separation and tricolor printing.	10.90	16.95	44.95	242.95	12.00	22.40	58
61	Deep green tricolor. Used with #'s 29 and 47 for tricolor work.	24.95	39.95	109.95	579.95	-	-	61
87	Visibly opaque infrared filter.	24.95	39.95	109.95	579.95	12.00	22.40	87
87C	Visibly opaque infrared filter.	24.95	39.95	109.95	579.95	-	-	87C
89B	Visibly opaque. used for infrared photography, especially aerial.	24.95	39.95	109.95	553.95	-	-	89B
90	Dark grayish amber. Monochrome viewing filter.	10.90	16.95	44.95	242.95	-	-	90
92	Red.	24.95	39.95	109.95	579.95	-	-	92
98	Blue. Equivalent to #47B plus #2B filter.	24.95	39.95	109.95	579.95	-	-	98
99	Green. Equivalent to #61 plus #16 filter.	10.90	16.95	44.95	242.95	-	-	99
102	Yellow-green. Converts barrier-layer photocell response to eye luminosity response.	24.95	39.95	-	579.95	-	-	102
106	Amber. Converts an S-4 type photocell response to the eye luminosity response.	24.95	39.95	109.95	-	-	-	106



# KODAK / LEE

## FILTERS

### Ultra Violet Absorbing Filters

Used to absorb varying amounts of ultra violet, violet and blue radiation which can cause a bluish cast in distant landscapes, scenes over water, and aerial photographs.

#### ULTRA VIOLET ABSORBING FILTERS

FILTER	DESCRIPTION AND SOME OF ITS USES	KODAK				ITEM #
		3x3"	4x4"	6x6"	14x18	
		CODE # KO( )33	CODE # KO( )44	CODE # KO( )66	CODE # KO( )1418	
1A	Maximum absorption of 0.076A (84%) at 535 nanometres.	-	-	-	-	1A
1B	Maximum absorption of 0.086A (82%) at 525 nanometres.	-	-	-	-	1B
2A	Pale yellow. Absorbs ultraviolet radiation.	10.90	16.95	44.95	242.95	2A
2B	Pale yellow. UV absorption greater than 0.72A (19%) at 400 nanometres.	10.90	16.95	44.95	242.95	2B
2C	Uv absorption greater than 0.39A (40.5%) at 400 nanometres.	-	-	-	-	2C
2E	Pale yellow. Absorbs more ultraviolet radiation than 2C.	10.90	16.95	44.95	242.95	2E

*To order Ultra Violet Absorbing Filters, insert item # into the parenthesis in the middle of the code #.*

### Kodak Haze Cutting Filter (for color aerial photography)

Haze Cutting Filter HF-3 serves primarily as an ultraviolet absorber, while the HF-4 and HF-5 filters - always used in combination with the HF-3 filter - provide color balance adjustment in the blue region.

#### HF-3 Haze Aerial

UV absorber for color aerial photography and haze penetration.

3x3" Item # KOHF333.....18.95      4x4" Item # KOHF344.....29.50

12x12" Item # KOHF31212.....168.95

#### HF-4 & HF-5

These filters provide color balance adjustment.

3x3" Item # KOHF 433 or 533 .....18.95      4x4" Item # KOHF 444 or 544 .....29.50

12x12" Item # KOHF41212 or 51212.....168.95

### Kodak Glass Filters

Wratten Ultraviolet Filter #18A

2x2" Item # KO18A22 .....Call

3x3" Item # KO18A33 .....Call

Wratten Duplicating Filter #39

2x2" Item # KO3922 .....Call

3x3" Item # KO3933 .....Call

### Color Print Viewing Filter Kits

#### Kodak Color Print Viewing Filter Kit (E150-0735)

This handy kit of six color (Cyan, Yellow, Magenta, Red, Green and Blue) print viewing-filter cards of CC10, 20 and 40 will help you evaluate the color balance of your test prints. The value and color of the viewing filter or filters you select to correct the test print determine how much to change the exposing filter pack for the next print.

Item # KOBCPVFK .....21.95

#### Lee Viewing Kit (VK)

This Lee camera filter viewing kit contains six cards. There is one for each color compensating filter color: Cyan, Yellow, Magenta, Red, Green and Blue. In each color there are filter pieces of all the most useful densities: 025, 05, 10, 15, 20, 25, 30 and 40, and one clear filter.

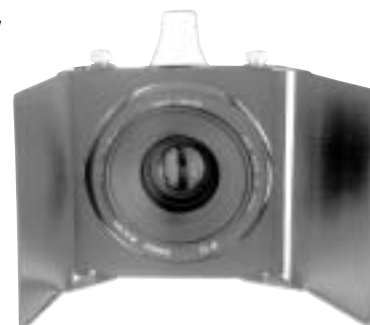
Item # LEPVS.....59.95

### B&H Gelatin Filter Holder

#### Gelatin Filter Holder/ Lens Hood

Holds three inch 75x75mm gelatin or plastic materials. Easily attaches to lenses from 20mm diameter to 67mm diameter with spring-loaded clamp. No extra rings or adapters to buy. Barn-door type wings serve as a lens shade.

Item # GBFH33 .....32.95



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

FLEXIBLE FILTERS

401



# KALT/KENKO/NIKON/LINDAHL

## FILTER HOLDERS

### Flexible 3x3" or 4x4" Filter Holders

#### Kalt Technical Filter Holders

Holds 3" square 75x75mm (49 thru 62mm sizes) or 4" square 100x100mm (67 thru 77mm sizes) gelatin filters or other materials up to 2mm thick. Maintains flat surface between two padded sides of holder. Easily closes with half-turn of knob at top of holder. Once attached to the front of the lens, the holder may be rotated. Mounting ring of 49mm thru 62mm sizes accepts 62mm screw-in filters in front of gel filter holder. 67mm thru 77mm accepts 82mm size screw-in filters in front of gel filter holder.

49mm (Fits 3x3" Gels)  
Item # **KAFH49** .....**44.95**

52mm (Fits 3x3" Gels)  
Item # **KAFH52** .....**44.95**

55mm (Fits 3x3" Gels)  
Item # **KAFH55** .....**44.95**

58mm (Fits 3x3" Gels)  
Item # **KAFH58** .....**44.95**

62mm (Fits 3x3" Gels)  
Item # **KAFH62** .....**44.95**

67mm (Fits 4x4" Gels)  
Item # **KAFH67** .....**59.95**

72mm (Fits 4x4" Gels)  
Item # **KAFH72** .....**59.95**

77mm (Fits 4x4" Gels)  
Item # **KAFH77** .....**59.95**



#### Nikon Gelatin Filter Holder

**AF-1 52ø** (2278)  
Holds 3" square 75x75mm filters or other materials up to 2mm thick. Same features as the Kalt Technical Filter Holder. Built-on 52mm mounting ring. Accepts 60mm screw-in filters or Nikon HN-12 hood in front of gel filter holder.  
Item # **NIAF1** .....**34.95**



#### Nikon Gelatin Filter Holder

**AF-2 72ø** (2279)  
With lens hood. Holds 4" square 100 x 100mm filters or other materials up to 2mm thick. Same features as the Kalt Technical Filter Holder. Built-on 72mm mounting ring. Accepts 82mm screw-in filters in front of gel filter holder.  
Item # **NIAF2** .....**54.95**

**Kenko Technical Filter Holder II Small (3 x 3") 62ø**  
Same features as the Kalt Technical Filter Holder. Built-on 62mm mounting ring. Accepts 62mm screw-in filters in front of gel filter holder. It includes a lens hood.  
Item # **KEFHS** .....**39.95**

**Kenko Technical Filter Holder II Large (4 x 4") 82ø**  
With 82mm screw-in lens hood. Holds 4" square 100x100mm filters. Built-on 82mm mounting ring. Accepts 82mm screw-in filters in front of gel filter holder.  
Item # **KEFHL** .....**59.95**

### Lindahl Filter Boxes

Lindahl Filter Boxes allow you to convert other manufacturers shades to accept Lindahl 3G filters (see Flexible Filter section). In addition these filter boxes can be used alone as a filter holder. Requires size 8 adapter rings (See page 241).

**Filter Box Standard** (23-1020)  
Requires size 8 adapter ring.  
Item # **LIFBKS** .....**33.50**

**Filter Box Hasselblad CF** (23-1025)  
Item # **LIFBKH** .....**36.95**

**Filter Box Rollei SLR Size VI Bayonet** (23-1026)  
Item # **LIFBKR** .....**48.50**

**Double Filter Slot Filter Box Standard** (23-1030)  
Requires size 8 adapter ring.  
Item # **LIFBKDS** .....**51.95**

**Double Filter Slot Filter Box Hasselblad CF** (23-1035)  
Item # **LIFBKDH** .....**43.95**

**Double Filter Slot Filter Box Rollei SLR Size VI Bayonet** (23-1036)  
Item # **LIFBKDR** .....**69.50**



### Lindahl Filter Boxes with Hoods

**Single Filter Box Standard** (23-1040)  
Requires size 8 adapter ring.  
Item # **LIFBHS3** .....**54.50**

**Single Filter Box Hood Hasselblad CF** (23-1045)  
Item # **LIFBHH3** .....**69.95**

**Single Filter Box Rollei SLR Size VI Bayonet** (23-1046)  
Item # **LIFBHR3** .....**69.95**

**Double Filter Filter Box Standard** (23-1050)  
Requires size 8 adapter ring.  
Item # **LIFBHDS3** .....**73.95**

**Double Filter Filter Box Hasselblad CF** (23-1055)  
Item # **LIFBHDH3** .....**88.95**

**Double Filter Filter Box Rollei SLR Size VI Bayonet** (23-1056)  
Item # **LIFBHDR3** .....**88.95**



# The Professional Photo SourceBook

## Section 9

### Camera Supports

Benbo . . . . .	404-405
Billingham . . . . .	406
Bogen-Manfrotto . . . . .	407-420
Cullman . . . . .	421-424
Gitzo . . . . .	425-435
Linhof . . . . .	436-441
Majestic . . . . .	442-444
Slik . . . . .	445-450
Velbon . . . . .	451-457
Brom . . . . .	458, 462
Arca-Swiss . . . . .	459-460
Bilora . . . . .	460
Foba . . . . .	461-462
Schoon . . . . .	462
Sachtler . . . . .	462
Kaiser . . . . .	463
Stroboframe . . . . .	464
Graf (Studio Ball) . . . . .	465
NPC . . . . .	466
Miscellaneous . . . . .	467

# BENBO

## TRIPODS

*Benbo tripods are uniquely designed with the outdoor photographer in mind. Unlike conventional tripods, Benbo tripods can be set up and used on any terrain, under any conditions, in an unlimited range of configurations.*

*Most photo tripods open up to a single fixed angle - which is fine in the studio, but a problem when shooting outdoors. Although the environment cannot be altered to one that suits your tripod, you can change your tripod to one that suits any environment! Benbo tripod legs open independently to any angle, even right down to the ground. The camera column goes up, down, and all the way around. Controls are simple and oversized for a sure grip. Construction is of anodized, aircraft aluminum; lightweight yet tough-as-nails, impervious to the elements. Bottom line, there is virtually no place a Benbo cannot go, and as far as tripods are concerned, nothing it cannot do.*



Benbo  
Tripod #2  
Extra Large

### FEATURES

- **Benbo** - short for "Bent Bolt" - is the key to incredible versatility of these tripods. The thick, precisely-curved bolt provides a central pivot point for all of the positioning components of the Benbo tripod
- Oversized leg lock knobs allow quick adjustment of the length - no fumbling, even while wearing bulky winter gloves
- Sealed, immersible lower legs overlap the upper sections and feature rugged connecting hardware. You can sink them up to their "knees" in a stream, or plant them in the mud



Benbo #4  
Tripod  
shown at  
a different  
angle

- Unique center column provides enhanced positioning. The column can be set vertically, horizontally and camera mounting studs are located at both ends of the column
- A single oversized large central control lever at the end of the bent bolt frees all three legs and the camera column for super-fast, unrestricted positioning

### Tripod Legs

#1 Standard (B1001)		#4 Low Boy El (B1004)	
Item # BEBS.....	206.99	Item # BEBLBE.....	220.95
#2 XL Extra Large (B1002)		#7 Trekker 35 (B1007)	
Item # BEBXL.....	231.50	Ideal for 35mm cameras with lenses up to 210mm.	
		Item # BET35.....	158.95

**14-Day Customer Satisfaction Guarantee**

## TRIPODS / HEADS AND MONOPODS

### TREKKER TRIPOD SPECIFICATIONS

Model	#1	#2 XL	#4 EL	#7 TREKKER 35
Load Capacity	10-20 lbs.	10-20 lbs.	10-25 lbs.	10 lbs.
Minimum Usable Height	0	0	0	0
Maximum Extension	62" (158cm)	97" (247cm)	45" (114cm)	64" (163cm)
Leg Sections	2	2	2	2
Center Column Sections	1	1	1	1
Folded Length	33" (84cm)	45" (114cm)	25" (64cm)	28" (71cm)
Weight	7.5 lbs. (3.5kg)	8.25 lbs. (3.75kg)	6 lbs. (2.75kg)	4.5 lbs. (2kg)

Subject to change without notice

### Ball Heads

Ideal head for Benbo tripods, monopods or other brand tripods. 2" diameter camera platform sits atop a 1.5" ball joint that is precision-engineered and machined for smooth operation and non-slip locking. Professional  $\frac{3}{8}$ " socket with removable  $\frac{1}{4}$ "-20 conversion insert. Available in standard (fixed base) configuration (Cat # B3001) weighing 15 oz. (425g).



**Standard Ballhead (B3001)**  
Item # **BEBHS** .....**65.95**

**Standard Ballhead with Panorama Revolving Base (B3004)**  
Item # **BEBHSP** .....**109.95**

**Trekker Pan-Ballhead (B3000)**  
Designed for use with the Trekker tripod and monopod, the Trekker Pan-Ballhead weighs just 8.5 oz. (240g), yet is strong enough to support heavy, professional 35mm cameras. Standard  $\frac{1}{4}$ "-20 threaded mounting socket and locking panorama base.  
Item # **BEBHT** .....**96.95**



Benbo #1  
Standard

Get Closer! The camera column acts as an extension rail vertically or horizontally

### Monopods

Benbo monopods combine the outdoor-inspired practicality of Benbo tripods with the compactness and convenience of a monopod. Lower legs overlap upper sections, as on the three-legged version, so working in water or mud is no problem.

**Trekker Monopod (B2000)**  
Featherweight two-section monopod based on rigid Trekker leg design. Also converts to walking stick. Its maximum height is 60½" (154cm), closed length 34" (87cm). Weighs 10 oz. (539g).  
Item # **BEMPT** .....**46.95**

**Benbo 95-XL (B2001)**  
Maximum height is 68" (173cm), closed length 37½" (95cm). Weighs 2 lbs. (.9k).  
Item # **BEMP95XL** .....**68.99**



Benbo  
Trekker  
Monopod  
(B2000)

### Tripods with Heads

**Trekker Tri-Pak (B1009)**  
Consists of Trekker tripod #B1007, special Tri-Pak ballhead weighing 5.9 oz. (168g), platform diameter 1.5" and Trekker soft padded case 33.5" (85cm) long.  
Item # **BETK** .....**255.50**



Trekker  
Tri-Pak  
(B1009)

**Benbo 1 Tri-Pak (B100)**  
Consists of Benbo 1 standard tripod #B1001, standard ballhead #B3001 and soft padded case 36.5" (92.5cm).  
Item # **BEBSK** .....**269.95**

# BILLINGHAM

## TRIPODS

*Billingham tripods are manufactured in Germany with precision. Legs are made of ash (timber tree), and heads are made of cast aluminum. Together these materials have little tendency to whip or twist, ensuring a stable camera platform.*

*Ash has a natural tendency to absorb vibrations. Its straight grain makes it immensely strong. Seasoned ash sections are cut and machined with precision, prompting them to slide together easily. A final coating is applied which protects the surface from ravage weather, yet allows the ash to breathe.*



### FEATURES

- Rubber booted ground spikes for rough or smooth terrain.
- Vibration absorbing ash legs, weather-proofed and comfortable to hold.
- Solid cast aluminum head construction.
- Standard  $\frac{1}{4}$ " or  $\frac{3}{8}$ " thread.
- Override button allows legs to be splayed for rough terrain.
- Reporter models have 23" swivelling head with a built-in spirit level.
- Reporter model center column can be reversed for suspending camera under the tripod.

### Tripod Legs

Hawk 276 Tripod Natural Finish (733045)  
2-column tripod with one section center column.  
**Item # BITH276N.....299.00**

Hawk 276 Tripod Black Finish (733001)  
Same as above, in black finish.  
**Item # BITH276B .....329.00**

Reporter 355 50" Tripod Natural Finish (731045)  
3-column tripod with 2-section center column.  
**Item # BITR355N.....359.00**

Reporter 355 50" Tripod Black Finish (731001)  
Same as above, in black finish.  
**Item # BITR355B.....399.00**

Reporter 371 70" Tripod Natural Finish (731545)  
3-column tripod with 2-section center column.  
**Item # BITR371N.....399.00**

Reporter 371 70" Tripod Black Finish (731501)  
Same as above, in black finish.  
**Item # BITR371B.....449.00**

### Accessories

Horizontal Bar (735601)  
All models can accept the Horizontal bar for ground level photography. The bar can be stored in the central column when not required.

**Item # BIEA.....79.00**

2-Dimension Tripod Head (735001)  
**Item # BITH2D.....329.00**

Swiveling ball head with built-in spirit level (Reporter Series)



### ASH TRIPOD SPECIFICATIONS

Model	Hawk 276	Reporter 355	Reporter 371
Load Capacity	33 lbs. (15kg)	17.6 lbs. (8kg)	26.5 lbs. (12kg)
Minimum Usable Height	0" with Optional Horizontal Bar	0" with Optional Horizontal Bar or Reverse Center Column	0" with Optional Horizontal Bar or Reverse Center Column
Maximum Extension	62" (157cm)	50" (128cm)	70" (180cm)
Leg Sections:	2	3	3
Center Column Sections	1	2	2
Folded Length	30" (76cm)	22" (55cm)	28" (71cm)
Weight	6.2 lbs. (2.8kg)	5.3 lbs. (2.4kg)	6 lbs. (2.75kg)

Subject to change without notice

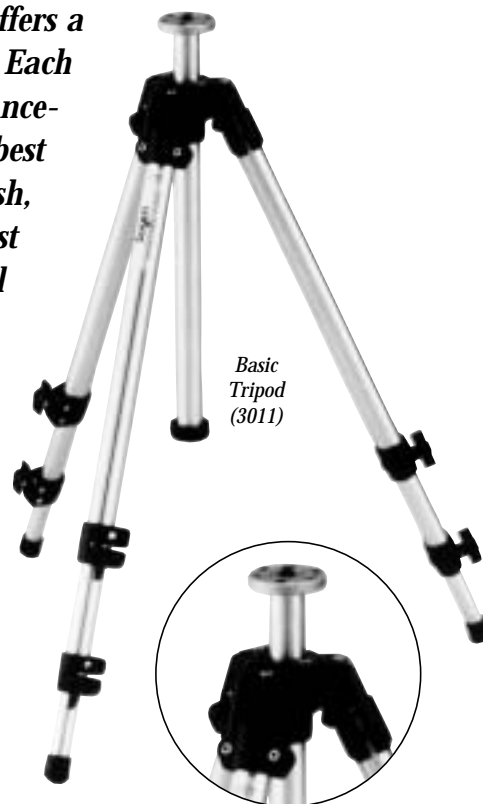


# BOGEN - MANFROTTO

## TRIPODS

*Since no one tripod can meet every photographic need, Bogen offers a broad selection of tripods, manufactured in Italy by Manfrotto. Each tripod is available with a wide choice of heads, dollies and performance-enhancing accessories so you can select the combination that best fits your working patterns. All Bogen tripods use hard-finish, high-strength aluminum alloys. That is one reason why they resist wear and remain rigid and stable with heavy use and abuse. All models employ a clamping system for leg length adjustment that resists fouling and scoring and stays secure even under rough field conditions. And the legs are keyed internally to keep the locks aligned and accessible.*

*Bogen tripods feature a unique locking system to make sure that you do not remove the head unless you want to (with the exception of the Junior Tripod #390, which has a permanently mounted head.). Most models use a 3/8" (Euro) thread connector, 50% larger and much stronger than the 1/4" thread you'll find on most tripods. Whether it is features or performance you are seeking, Bogen offers both.*



Basic Tripod (3011)

CAMERA SUPPORTS

407

### Tripod Legs

**Convertible Tripod (3001)**  
The lightest and smallest tripod in the Bogen line. The legs are made of sturdy, tubular hard-finish aluminum and each leg has sure-grip, quick-acting lever locks that don't foul in sand or mud. Legs have three different separately settable click-stopped spread angles for easy levelling.  
**Item # BO3001 .....60.95**

**Convertible Tripod Black (3205)**  
Same as above, in black finish.  
**Item # BO3001B.....73.90**

**Convertible Tripod Short (3001S)**  
A short version of the 3001.  
**Item # BO3001S .....69.95**

**Convertible Tripod Short Black (3205S)**  
Same as above, in black finish.  
**Item # BO3001SB.....69.95**

**Convertible Tripod Long (3001LC)**  
The same as the 3001 tripod, with extra long center column.  
**ITEM # BO3001LC .....64.95**

**Convertible Tripod Long Black (3205LC)**  
Same as above, in black finish.  
**ITEM # BO3001BLC.....79.95**

**Basic Tripod (3011)**  
The Basic Tripod offers exceptional stability and weighs just 5 1/4 lbs. With Bogen's professional quality, the 3011 offers high utility combined with simplicity of use and easy portability. It is compact - yet it goes up to 60" and has a reversible center post that lets you shoot at almost ground level. Sturdy, tubular aluminum legs have sure-grip, quick-acting lever locks, ideal for cameras up to medium format.  
**Item # BO3011 .....73.95**

**Basic Tripod Black (3211)**  
Same as above, in black finish.  
**Item # BO3011B.....86.90**

**Convertible Tripod (3021S)**  
Very versatile. No matter where you want to place your camera - indoors or outdoors, rough terrain or smooth floor, the Convertible Tripod will accommodate you. It features flip-lock levers for precise height adjustment. It has three different click-stopped spread angles, as well, so levelling is easy no matter how rough the going gets. Equally important, it is ideal in confined areas where other tripods normally have to maintain an arm's or leg's distance. Folds to 17.5" and extends to 44.5".  
**Item # BO3021S .....89.95**

**Convertible Tripod Black (3221S)**  
Same as above, in black finish.  
**Item # BO3021SB.....101.95**

### TRIPOD WITH HEAD

#### Junior Tripod #390 (3405)

With quick release head. The only Bogen tripod with a built-on head. The 4-leg section tripod has octagonal legs and a center column. The 2-way head features quick-release and 360° panning. Perfect for cameras and video cameras weighing less than 11 lbs. (5kg.) Maximum extension is 62.6" (159cm). The minimum usable height is 0" by reversing the center column. Folds to 22" (56cm). Weighs 4.2 lbs. (1.9kg).

**Item # BO3405 .....89.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# BOGEN-MANFROTTO

## TRIPODS

### Tripod Legs, continued

**Convertible Tripod (3021)**  
Same construction as Model #3021S. It has a maximum shooting height of 71". The adjustable spread of the legs combined with telescoping convertible center post lets you get as low as 10 1/4".

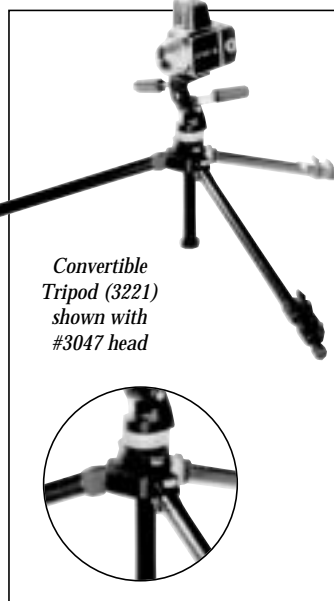
**Item # BO3021 ..95.95**

**Convertible Tripod (3221)**  
Same as 3021, in black finish.  
**Item # BO3021B.....108.90**

**Wilderness Tripod (3221W)**  
Same as 3221 with foam rubber covered upper legs and spiked feet for greater grip stability.  
**Item # BO3221W.....139.95**

**Professional Tripod (3033)**  
Most lightweight tripods are a bit shaky when extended beyond three feet. Not the Professional Tripod. It is lightweight, yet can look you steadily in the eye and give support for great, vibration-free shots. Ideal for location shooting where you need a compact, sturdy tripod. It has 3-section legs and a geared center post, which means it provides good maximum working height (67"). It then telescopes into a really manageable package for carrying. Leg adjustment is fast and easy, even when wearing gloves, due to the exclusive rocker arm leg lock and a spirit level on the shoulder. Convertible cushioned spike tip legs and rigid center bracing hold everything firm.

**Item # BO3033 .....144.95**

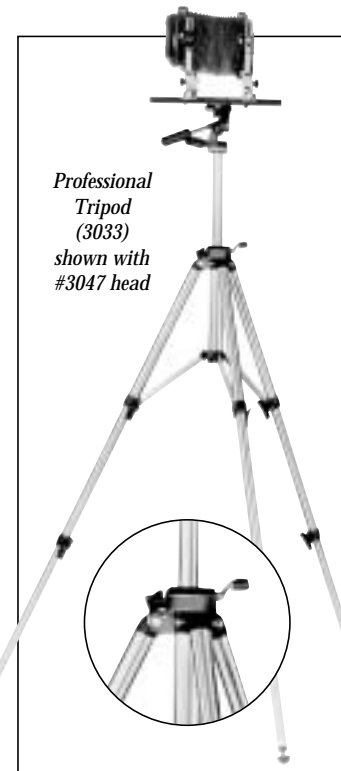


*Convertible Tripod (3221) shown with #3047 head*

**Professional Tripod Black (3233)**  
Same as the Professional Tripod 3033 in black finish.  
**Item # BO3033B.....157.90**

**The Work Horse Tripod (3036)**  
The Work Horse Tripod can be used at its maximum height of 80 1/4", then can be lowered to 16 1/2" or virtually to ground zero by opening the legs and mounting the camera on the column bottom. Center post is geared and features an automatic safety lock with push button release. Most importantly, this tripod maintains its stability at all heights. Stability is enhanced by independent variable-spread leg braces that allow you to obtain different angles on each leg. The three legs are continuously adjustable in relation to each other. A real plus where a level head is needed, it features a built-in spirit level. Its convertible cushion/spike tip legs give you sure footing indoors or out.

**Item # BO3036.....159.95**



*Professional Tripod (3033) shown with #3047 head*

**The Work Horse Tripod Black (3236)**  
Same as the Work Horse Tripod 3036 in black finish.  
**Item # BO3036B.....172.90**

### TRIPOD LEG SPECIFICATIONS

Model Number	3001 3205	3001S 3205S	3001LC 3205LC	3011 3211	3021 3221(W)	3021S 3221S	3033 3233	3036 3236	3046 3246	3051 3251	3058 3258
Load Capacity	11 lbs. (5kg)	11 lbs. (5kg)	11 lbs. (5kg)	13.2 lbs. (6kg)	13.2 lbs. (6kg)	13.2 lbs. (6kg)	15.6 lbs. (7kg)	26.4 lbs. (12kg)	26.4 lbs. (12kg)	26.4 lbs. (12kg)	44 lbs. (20kg)
Minimum Usable Height	12.75" (32.4cm)	16.5" (41.9cm)	19" (48.3cm)	22.25" (56.5cm)	10.5" (26.7cm)	7.5" (19cm)	25.25" (64.2cm)	15.5" (39.4cm)	29.25" (74.3cm)	16.5" (41.9cm)	17" (43.8cm)
Maximum Extension	55" (140cm)	51.25" (130cm)	60" (152cm)	67.25" (171cm)	70.5" (179cm)	44.5" (113cm)	66.5" (169cm)	81.25" (206cm)	68.5" (174cm)	63.25" (161cm)	103.25" (262cm)
Leg Sections	3	3	3	3	3	3	3	3	2	2	3
Center Column Sections	1	1	1	1	1	1	Geared	Geared	Geared	Geared	Geared
Folded Length	21" (53cm)	17.75" (45cm)	21" (53cm)	24" (60cm)	25.75" (65cm)	17.5" (44cm)	28" (71cm)	33" (84cm)	31.25" (79cm)	37.25" (95cm)	41" (104cm)
Weight	3.6 lbs. (1.63kg)	3.4 lbs. (1.54kg)	3.8 lbs. (1.72kg)	5.1 lbs. (2.31kg)	5.75 lbs. (2.6kg)	4.75 lbs. (2.15kg)	7.54 lbs. (3.38kg)	9.8 lbs. (4.45kg)	8.15 lbs. (3.7kg)	12.65 lbs. (5.74kg)	17.95 lbs. (8.14kg)
Compatible Bogen Dolly	#3127 #3137	#3127 #3137	#3127 #3137	#3127 #3137	#3127 #3137	#3127 #3137	All	All	All	All	All except #3127, 3137

*Subject to change without notice*

**Corporate Accounts Are Welcome**

# BOGEN-MANFROTTO

## TRIPODS AND HEADS

### Tripod Legs, *continued*

#### The Sturdy Tripod (3046)

The Sturdy Tripod weighs just 8½ lbs., yet has the features and strength normally found only in 20 pounders. It is built with a 2-section bi-post design, lightweight aluminum alloy construction and exceptional sturdiness. A single, easy to reach locking knob controls extension of each leg. Geared 19¼" center post has threaded ¾" mount on the bottom of the column to allow low angle shots. Maximum height is 68½", yet it folds to a compact 34¼". Minimum height is 29". Legs are equipped with convertible cushion/spike tips. Includes built-in shoulder spirit level.

**Item # BO3046.....139.95**

#### The Sturdy Tripod (3246)

Same as above, in black finish.

**Item # BO3046B.....152.90**

#### The Super Pro (3058)

The ideal large-format tripod - at home, in the studio or out in the field. Designed especially for use with the #3057 Professional Head. Offers a working range from 15½" minimum to a maximum height

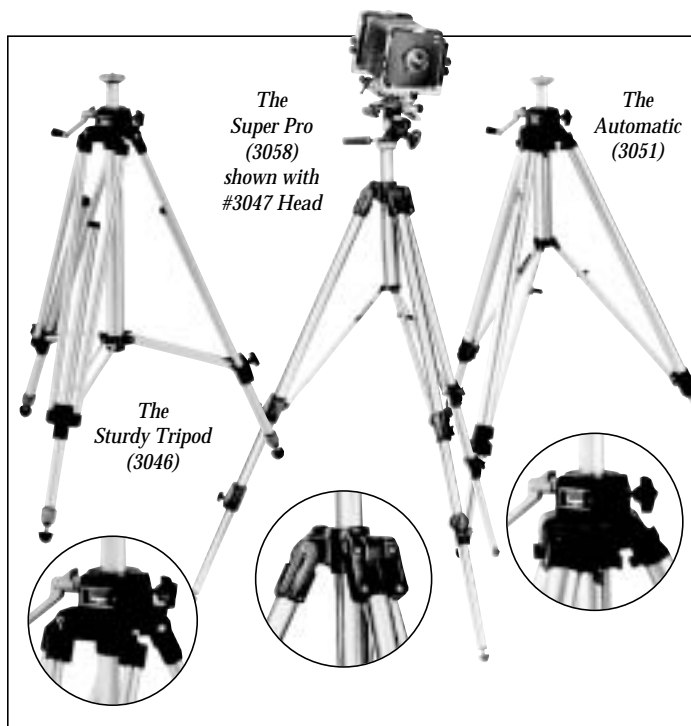
of 106½". Center post is geared for easy, accurate adjustment. The folded length is 40½". With spirit level.

**Item # BO3058.....274.95**

#### The Super Pro Black (3258)

Same as above, in black finish.

**Item # BO3058B.....304.95**



#### The Automatic (3051)

Extension of each leg of The Automatic can be adjusted individually, or all three can be released simultaneously. All it takes is firm pressure on one of two separate sets of triggers. These triggers let you move from as low as 15¼" to 63¼" almost as fast as you can lift your camera. And it can all be done with a spirit level on the 3051's shoulder. Legs are equipped with convertible cushion/spike tips.

Independent continuously variable leg braces let you set each leg at a different angle. Ideal for uneven terrain, close quarters, low to the ground, just about everything.

**Item # BO3051.....181.95**

#### The Automatic (3251)

Same as above, in black finish.

**Item # BO3051B.....194.90**

### Pan Heads

All pan heads fit any Bogen tripod, or any tripod with ¾" Euro thread. Pan heads screw right on and can also be locked in with the three locking screws in the center post platform of the tripod base.

#### 3-D Head (3025)

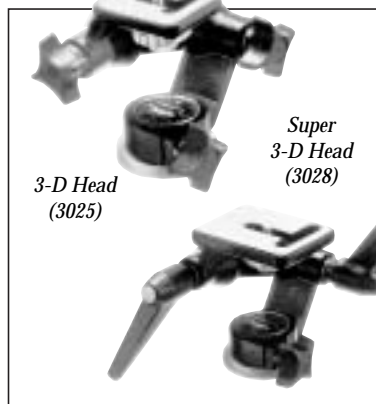
Separately locked movements on three axes make the 3025 perfect for 35mm cameras, and the conical self-adjusting bearing surfaces on the tilt pivots provide more than enough strength to support medium format cameras.

**Item # BO3025.....29.95**

#### Super 3-D Head (3028)

The same three axes movement system as the 3-D Head 3025, (including a pan lock), but the camera platform is a bit wider for better support of larger camera bodies. A pair of ratchet-type handles that give you something substantial to grip can be rotated to any desired position.

**Item # BO3028.....29.95**



#### Pan Tilt Head (3029)

A beautifully designed easy-to-use pan/tilt head, with large knobs for cameras up to medium format. Full 3-way action with each axis movement controlled by a separate locking handle.

**Item # BO3029.....37.95**

#### Pan Tilt Head with Quick Release (3030)

The #3030 is similar to the #3029 Pan Tilt Head, plus it has a quick release to make camera changes as easy as flipping a lever.

**Item # BO3030.....44.95**

# BOGEN-MANFROTTO

## PAN - HEADS

### Pan Heads, continued

**Deluxe 3-Way Pan Head (3047)**  
With Quick Release Plate #3049. Ideal for all 35mm, medium format and view cameras. It features a hexagonal quick release plate with safety lock, two bubble levels and three large, easy-grip rubber handles for precise positioning. Mounting plate has an inlaid friction surface.  
**Item # BO3047 .....59.95**

**Replacement Handles (3291)**  
For Deluxe 3-Way Pan Head.  
**Item # BO3291 .....14.95**

**Compact Pro 3D #329 (3410)**  
With Quick Release Plate #3411. A low-profile head. Ideal for cameras weighing up to 17 lbs. Features a slide-in quick release plate with red safety lock and thumb screw. Three bubble levels, three large easy-grip rubber handles and large dials make this the choice of the pro.  
**Item # BO3410 .....64.95**

**Heavy Duty Head (3057)**  
With Quick Release Plate #3297. For large format cameras. Oversized locking knobs and heavy-duty construction provide an extra measure of security for view cameras and 70mm portrait cameras. Provides tilts along lens axis from +15° to -90°. Side movement allows full vertical positioning for fixed-back cameras.  
**Item # BO3057 .....119.95**

**Super Pro Head (3039)**  
Top-of-the-line head, finely machined for greater positioning precision with smooth, certain action. 3 built-in bubble levels for horizontal and vertical. Oversized handles have calibrated degree indicators. Quick release plate has a safety lock, making it ideal for heavy cameras and long lenses.  
**Item # BO3039 .....122.95**

**Quick Release Plate (3157)**  
Replacement mounting plate with 1/4-20" thread. Fits the 3030, 3130, and 3160 heads, and 3405 tripod.  
**Item # BO3157 .....9.95**

**Quick Release Plate (3157A)**  
Same as #3157, with 3/8" Euro thread. Fits the 3030, 3130 and 3160 heads and 3405 tripod.  
**Item # BO3157A .....9.95**

**Quick Release Plate (3049)**  
Replacement plate with 1/4-20" thread. Fits #3039 and #3047 heads.  
**Item # BO3049 .....14.95**

**Quick Release Plate (3048)**  
Same as #3049, with 3/8" Euro thread. Fits #3039 and #3047 heads.  
**Item # BO3048 .....14.95**

**Quick Release Plate (3049H)**  
A plate with a form-fitted groove which allows the base-plate of a Hasselblad to mount securely. The camera will not rotate on the camera screw.  
**Item # BO3049H .....22.50**

**Quick Release Plate (3048H)**  
Same as above with a 3/8" screw.  
**Item # BO3048H .....22.50**

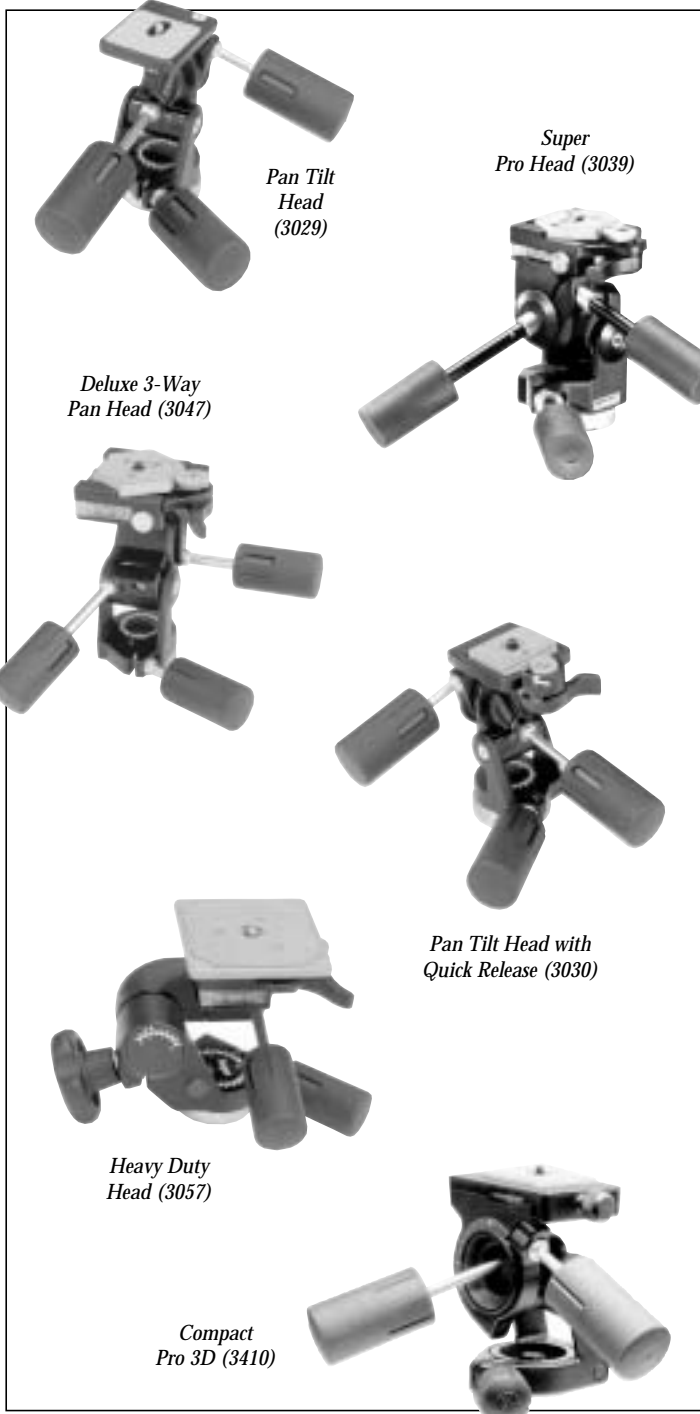
**Quick Release Plate (3041)**  
Same as #3049 plate with small slotted wedging 1/4-20" screw which can be tightened to bear against the camera base plate. Fits #3039 and #3047 heads.  
**Item # BO3041 .....14.95**

**Quick Release Plate (3042)**  
Same as #3041 plate, with 3/8" Euro thread. Fits #3039 and #3047 heads.  
**Item # BO3042 .....14.95**

**Quick Release Plate (3411)**  
Replacement plate with 1/4-20 thread. Fits #3410 head.  
**Item # BO3411 .....11.95**

**Quick Release Plate (3412)**  
Same as #3411 with 3/8" Euro Thread. Fits #3410 head.  
**Item # BO3412 .....11.95**

**Quick Release Plate (3297)**  
Replacement 4x4" plate with 1/4-20" thread. Fits #3057.  
**Item # BO3297 .....37.95**



# BOGEN - MANFROTTO

## GEAR HEADS AND BALL HEADS

### Compact Gear Head

**Compact Gear Head #410** (3275)  
With Quick Release Plate #3271 (with 1/4-20" screw and 3/8" Euro thread). Especially designed for 35mm SLR and medium format cameras, this compact geared head uses easily adjustable knobs and offers precise geared movement in three directions: Pan 360°, Tilt +30° to -90°, and side-to-side +30° to -90°. This professional head has a large camera platform, a levelling bubble and a quick release plate with both 3/8" and 1/4-20" camera screws that travel in a 2" slot to facilitate balancing at the camera's center of gravity.  
**Item # BO3275.....136.95**

**Quick Release Mounting Plate** (3271)  
With 1/4-20" thread screw. Replacement for #3275.  
**Item # BO3271.....9.95**

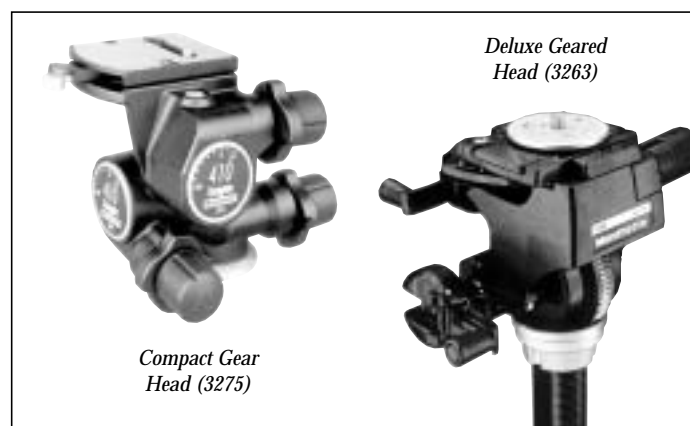
**Deluxe Geared Head** (3263)  
With 13, 23 and 42mm high quick release plates. Designed especially for large and medium format cameras, offering the ultimate in precision 3-way geared adjustment and control. Exclusive self-locking fold-away cranks allow 360° pans, +30° and -90° tilts. The Deluxe Geared Head features a comfortable grip handle that lets you level ±7.5° side to side with a bubble level to aid in precise positioning. To help you mount your camera quickly, there are also three quick release plates, each with a different height, to accommodate all types of cameras.  
**Item # BO3263.....409.95**

**Tripod Spacer** (3261)  
Allows greater tilting for the Deluxe Gear Head.  
**Item # BO3261.....12.95**

**Quick Release Mounting Plate 13mm High** (3264L)  
Replacement for the Deluxe Geared Head (3263).  
**Item # BO3264L.....12.50**

**Quick Release Mounting Plate 44mm High** (3264H)  
Replacement for the Deluxe Geared Head (3263).  
**Item # BO3264H.....12.50**

**Quick Release Mounting Plate 23mm High** (3264M)  
Replacement for the Deluxe Geared Head (3263).  
**Item # BO3264M.....12.50**



### BOGEN PAM AND TILT HEAD SPECIFICATIONS

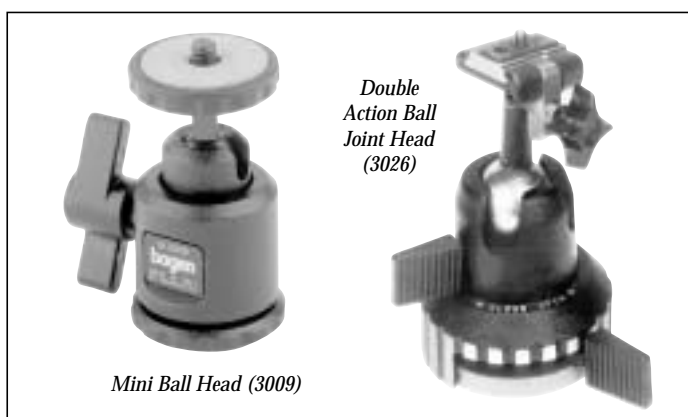
Model #	3025	3028	3029	3030	3039	3047	3410	3057	3275	3263
Weight	1.1 lbs. (500g)	1.25 lbs. (565g)	1.63 lbs. (735g)	2 lbs. (900g)	4.25 lbs. (1.9kg)	4.25 lbs. (1.9kg)	2.75 lbs. (1.24kg)	4.5 lbs. (2kg)	3.12 lbs. (1.4kg)	5.75 lbs. (2.6kg)
Height	4" (10cm)	4" (10cm)	5" (127cm)	5.25" (13.3cm)	6.25" (15.9cm)	7" (17.9cm)	5.25" (13.3cm)	5.4" (13.7cm)	5.1" (13cm)	6.1" (15.6cm)
Maximum Capacity	6.6 lbs. (3kg)	11 lbs. (5kg)	13.2 lbs. (6kg)	13.2 lbs. (6kg)	26.5 lbs. (12kg)	16.5 lbs. (7.5kg)	17.6 lbs. (8kg)	22 lbs. (10kg)	13.25 lbs. (6kg)	22 lbs. (10kg)

*Subject to change without notice*

### Ball Heads

All ball heads fit any Bogen tripod, or any tripod with 3/8" Euro thread. Ball heads screw right on and can also be locked in with the three locking screws in the center post platform of the tripod base.

**Mini Ball Head** (3009)  
Designed for lightweight cameras, the Mini Ball Head is an excellent accessory for monopods, Car Window Pod and Table Top Tripod.  
**Item # BO3009.....21.95**



**Double Action Ball Joint Head** (3026)  
With Quick Release Plate #3027. Has separate quick-acting lock for panning and tilting functions. Camera can be positioned anywhere in a 180° sphere with confidence and ease.  
**Item # BO3026.....28.95**

**Quick Release Mounting Plate** (3027)  
Replacement for #3026 head. With 1/4-20" thread.  
**Item # BO3027.....8.50**

*Ball Heads continue on next page*



# BOGEN-MANFROTTO

## BALL HEADS

### Ball Heads, *continued*

#### Medium Ball Head (3262)

This versatile ball head has a special spring-loaded, retractable dual thread (both  $\frac{1}{4}$ -20" and  $\frac{3}{8}$ ") for either the camera or the tripod mount. Lightweight, yet strong enough for 35mm and medium format cameras. Features single lever operation.

**Item # BO3262.....28.95**

#### Quick Release

##### Medium Ball Head (3262QR)

With Quick Release Plate #3266. Same as above, with quick release.

**Item # BO3262QR.....39.95**

#### Grip Action Ball Head (3265)

With  $\frac{1}{4}$ -20" Quick Release Plate #3266. By gripping the handle, camera can be positioned anywhere within a 180° sphere. Features built-in bubble level and tension adjustment. Made of enameled cast metal, 8 $\frac{1}{4}$ " high, weighs 1 lb. 14 oz. Capacity 6 lbs.

**Item # BO3265.....63.95**

#### Super Ball Head (3038)

With  $\frac{1}{4}$ -20" Quick Release Plate #3049 and  $\frac{3}{8}$ " Euro thread. This is Bogen's top-of-the-line ball head. Superbly designed for cameras as heavy as 26 lbs., it is a finely machined, very smooth operating head that features bubble levels for both axes, a 360° scale in 5° increments, tension control and pan action levers that ratchet out of the way. A locking lever sets the head as solidly and firmly as you will ever need, and for added safety and convenience, it also has a quick release plate with Safety Lock and both  $\frac{1}{4}$ -20" and  $\frac{3}{8}$ " camera screws.

**Item # BO3038 .....143.95**

#### Quick Release Mounting Plate (3049)

Replacement mounting plate with  $\frac{1}{4}$ -20" thread. Fits the Super Ball Head (3038) and the Heavy Duty Double Action Ball Joint Head (3055).

**Item # BO3049 .....14.95**

#### Heavy Duty Double Action Ball Joint Head (3055)

With Quick Release Plate #3049. This ball head is similar to the #3026 ball head. Uses a larger hexagonal quick release plate for better support of larger camera bodies.

**Item # BO3055.....39.95**

#### Heavy Duty Single Action Ball Joint Head (3055S)

With Quick Release Plate #3049. This ball head features all movements of the #3055 without panorama movements.

**Item # BO3055S.....34.95**

#### Quick Release

##### Mounting Plate (3048)

Same as the Quick Release Mounting Plate (3049), with  $\frac{3}{8}$ " Euro thread. Fits the Super Ball Head (3038) and the Heavy Duty Double action Ball Joint Head (3055).

**Item # BO3048.....14.95**

#### Quick Release

##### Mounting Plate (3266)

With  $\frac{1}{4}$ -20" thread.

Replacement plate for the Quick Release Medium Ball Head (3262QR) and Grip Action Ball Head (3265). Works together with 35mm and standard thread-mounted medium format cameras.

**Item # BO3266.....9.95**

#### Quick Release

##### Mounting Plate (3266A)

Same as the Quick Release Mounting Plate (3266), with  $\frac{3}{8}$ " Euro thread. Fits the Quick Release Medium Ball Head (3262QR) and Grip Action Ball Head (3265). Works with Euro thread medium format and large format cameras.

**Item # BO3266A .....9.95**



Heavy Duty Double Action Ball Joint Head (3055)

Grip Action Ball Head (3265)



Medium Ball Head (3262)



Quick Release Medium Ball Head (3262QR)



Super Ball Head (3038)

# BOGEN - MANFROTTO

## TRIPODS AND HEADS

### Ball Heads, *continued*

#### BOGEN BALL HEADS SPECIFICATIONS

Model #	3009	3026	3055	3262	3262QR	3265	3038
Weight	.25 lbs. (113g)	1.4 lbs. (624g)	1.9 lbs. (850g)	1 lb. (450g)	1.1 lbs. (500g)	2 lbs. (907g)	3.75 lbs. (1.7kg)
Height	2.75" (7cm)	5" (12.7cm)	5.5" (14cm)	4.25" (10.8cm)	4.3" (11cm)	8.25" (21cm)	6.75" (17.1cm)
Maximum Capacity	4.4 lbs. (2kg)	8.8 lbs. (4kg)	8.8 lbs. (4kg)	8.8 lbs. (4kg)	8.8 lbs. (4kg)	5.5 lbs. (2.5kg)	26.5 lbs. (12kg)

*Subject to change without notice*

#### TRIPOD AND HEAD COMBINATIONS

TRIPOD with	#3025 Head	#3028 Head	#3029 Head	#3030 Head	#3047 Head	#3265 Head
3001 Tripod	B030013025 <b>80.89</b>	B030013028 <b>90.89</b>	B030013029 <b>99.89</b>	B030013030 <b>105.89</b>	B030013047 <b>120.89</b>	B030013265 <b>124.89</b>
3205 Tripod	B03001B3025 <b>93.79</b>	B03001B3028 <b>103.79</b>	B03001B3029 <b>112.79</b>	B03001B3030 <b>118.79</b>	B03001B3047 <b>133.79</b>	B03001B3265 <b>137.79</b>
3011 Tripod	B030113025 <b>93.89</b>	B030113028 <b>103.89</b>	B030113029 <b>112.89</b>	B030113030 <b>118.89</b>	B030113047 <b>133.89</b>	B030113265 <b>137.89</b>
3211 Tripod	B03011B3025 <b>106.79</b>	B03011B3028 <b>116.79</b>	B03011B3029 <b>125.79</b>	B03011B3030 <b>131.79</b>	B03011B3047 <b>146.79</b>	B03011B3265 <b>150.79</b>
3021 Tripod	B030213025 <b>115.89</b>	B030213028 <b>125.89</b>	B030213029 <b>133.89</b>	B030213030 <b>140.89</b>	B030213047 <b>155.89</b>	B030213265 <b>159.89</b>
3221 Tripod	B03021B3025 <b>128.79</b>	B03021B3028 <b>138.79</b>	B03021B3029 <b>146.79</b>	B03021B3030 <b>153.79</b>	B03021B3047 <b>168.79</b>	B03021B3265 <b>172.79</b>
3033 Tripod	B030333025 <b>164.89</b>	B030333028 <b>174.89</b>	B030333029 <b>184.89</b>	B030333030 <b>189.89</b>	B030333047 <b>204.89</b>	B030333265 <b>208.89</b>
3233 Tripod	B03033B3025 <b>177.79</b>	B03033B3028 <b>187.79</b>	B03033B3029 <b>197.79</b>	B03033B3030 <b>202.79</b>	B03033B3047 <b>217.79</b>	B03033B3265 <b>221.79</b>
3036 Tripod	B030363025 <b>179.89</b>	B030363028 <b>189.89</b>	B030363029 <b>199.89</b>	B030363030 <b>204.89</b>	B030363047 <b>219.89</b>	B030363265 <b>223.89</b>
3236 Tripod	B03036B3025 <b>192.79</b>	B03036B3028 <b>202.79</b>	B03036B3029 <b>212.79</b>	B03036B3030 <b>217.79</b>	B03036B3047 <b>232.79</b>	B03036B3265 <b>236.79</b>
3046 Tripod	B030463025 <b>159.89</b>	B030463028 <b>169.89</b>	B030463029 <b>179.89</b>	B030463030 <b>184.89</b>	B030463047 <b>199.89</b>	B030463265 <b>203.89</b>
3246 Tripod	B03046B3025 <b>172.79</b>	B03046B3028 <b>182.79</b>	B03046B3029 <b>192.79</b>	B03046B3030 <b>197.79</b>	B03046B3047 <b>212.79</b>	B03046B3265 <b>216.79</b>
3051 Tripod	B030513025 <b>206.89</b>	B030513028 <b>216.89</b>	B030513029 <b>226.89</b>	B030513030 <b>231.89</b>	B030513047 <b>246.89</b>	B030513265 <b>250.89</b>
3251 Tripod	B03051B3025 <b>219.79</b>	B03051B3028 <b>229.79</b>	B03051B3029 <b>239.79</b>	B03051B3030 <b>234.79</b>	B03051B3047 <b>259.79</b>	B03051B3265 <b>263.79</b>

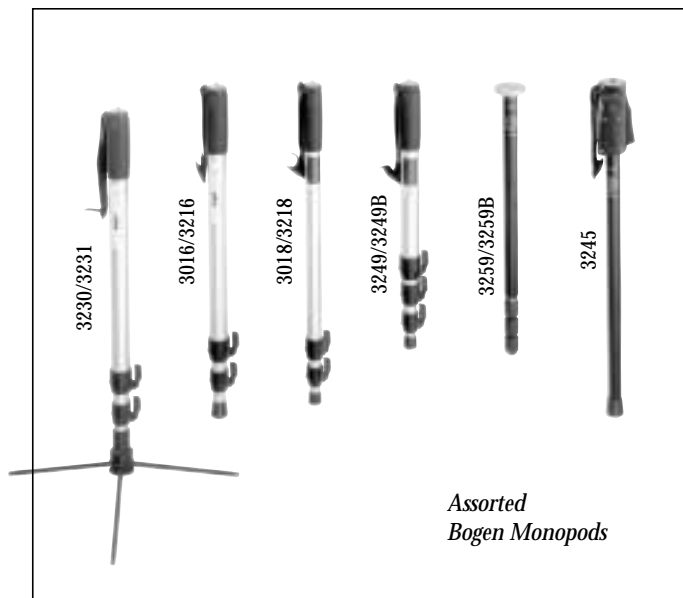
*Different combinations can be made up by checking specifications on maximum capacity.*

# BOGEN-MANFROTTO

## MONOPODS

### Monopods

All Bogen - Manfrotto monopods include a carrying strap.



#### MONOPOD AND HEAD COMBINATIONS

Monopod Heads with	#3025 Head	#3232 Head
#3016 Monopod	B030163025 .....47.89	B030163232 .....39.89
#3216 Monopod	B03016B3025 .....54.79	B03016B3232 .....46.85
#3018 Monopod	B030183025 .....54.89	B030183232 .....46.89
#3218 Monopod	B03018B3025 .....61.79	B03018B3232 .....53.79
#3230 Monopod	B032303025 .....78.89	B032303232 .....72.89
#3231 Monopod	B03230B3025 .....85.85	B03230B3232 .....79.85

#### Lightweight

##### 4-Section Monopod (3006)

With clip type levers. Can be used to a maximum height of 61" (155cm). Folds to 19.5 in (50cm) and weighs only 14 oz. (390g).

Item # **BO3006** .....24.95

##### 3-Section Monopod (3016)

With flip lock levers. Can be used to a maximum height of 59" (150cm). Folds to 23" (58cm) and weighs only 1 lb.

Item # **BO3016** .....27.95

##### 3-Section Monopod Black (3216)

Same as #3016, in black finish.

Item # **BO3016B** .....34.90

##### Professional Monopod (3018)

A 3-section monopod featuring flip lock levers. Can be used to a maximum height of 65" (165cm). Folds to 27" (69cm) and weighs 1.8 lbs. (822g).

Item # **BO3018** .....34.95

##### Professional Monopod Black (3218)

Same as #3018, in black finish.

Item # **BO3018B** .....41.90

##### Professional Monopod (3230)

With detachable legs. A 3-section monopod, similar to model #3018, with legs to keep monopod steady. This monopod can be used to a maximum height of 67.5" (171cm), with a minimum height of 26.8" (68cm). It weighs just 2.3 lbs. (1038g).

Item # **BO3230** .....58.95

#### Professional

##### Monopod Black (3231)

Same as #3230, in black finish.

Item # **BO3230B** .....65.90

##### Compact Monopod (3249)

4-section monopod, featuring flip lock levers. Maximum height of 60" (165cm). Folds down to a compact 20" (51cm) and weighs only 1.7 lbs (765g).

Item # **BO3249** .....35.95

##### Compact Monopod Black (3249B)

Same as #3249, in black finish.

Item # **BO3249B** .....42.90

##### Automatic Monopod Black (3245)

3-section monopod. Bottom is extended by screwing in leg. Upper section features a grip-action release that allows the top section to be adjusted 19" up or down automatically by squeezing and releasing the grip-action handle. Perfect for quick-action shots. Maximum height 65.5" (166cm), and a minimum height of 26.5". Weighs 1.6 lbs. (710g).

Item # **BO3245** .....59.95

### Monopod Heads

#### 3-D Head (3025)

Separately locked movements on three axes make this head perfect for 35mm cameras, and the conical self-adjusting bearing surfaces on the tilt pivots provide more than enough strength to support medium format cameras. Thumb screw movement locks will not poke you in the eye.

Item # **BO3025** .....19.95

#### Swivel Tilt Head (3232)

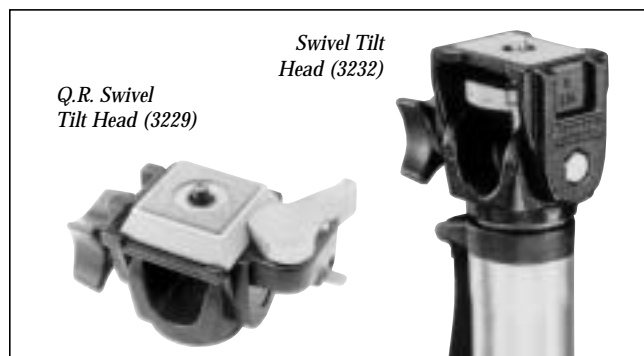
Features a one axis movement which allows the camera to be tilted up or down, or to be set up for a vertical shot. Includes a reversible 1/4-20" and 3/8" camera screw. Height is 2.2" (5.7cm), weight 7.4 oz. (210g).

Item # **BO3232** .....12.95

#### Q.R. Swivel Tilt Head (3229)

Same as above, with #3266 1/4-20" quick release plate for removing camera quickly. Has a height of 2.4" (6cm). Weighs 9 oz. (254g).

Item # **BO3229** .....24.95



#### Quick Release Mounting Plate (3266)

Replacement plate with 1/4-20" thread. Fits #3229 head.

Item # **BO3266** .....9.95

**We Exhibit at National and Regional Shows/Conventions**

# BOGEN - MANFROTTO

## ACCESSORIES

### Tripod Dollies

#### Portable Dolly (3127)

Designed for all Bogen tripods, and for tripods with a 20" radius. 3" wheels have a sure-lock feature that raises casters free off the ground so that the dolly rests on separate feet. Folds to a compact 22½" (57cm) and weighs 5.25 lbs. (2.4kg). Black finish.

**Item # BO3127.....77.95**

#### Variable

##### Leg Spread Dolly (3137)

This dolly has a special feature that allows adjustment of the radius from a maximum of 20" (51cm) to as little as 12.5" (32cm). For use with all Bogen tripods and tripods with a radius of up to 20". Has 2" casters, folds down to 15" (38cm) and weighs 5.9 lbs. (2.7kg). Black finish.

**Item # BO3137.....91.95**

##### Heavy Duty Dolly (3067)

Designed for use with the Universal and Heavy-Duty tripods. Individually braked 5" wheels and a unique leg locking system make it extremely stable. Easy to assemble and disassemble for transporting. Tripod legs are captured in a 38" (97cm) diameter circle and doorway clearance needed for the fully assembled dolly is only 39½" (100cm). Folds to 26" (66cm) and weighs 15.4 lbs. (7cm). Black finish.

**Item # BO3067 .....184.95**

##### Auto Dolly (3056)

Features a one-touch central pedestal which can lock or release all three wheels. When the pedal is lifted, cam action raises the wheels free off the ground, and the weight of the dolly and tripod rest on separate feet. Has 2" Shephard casters. Accepts tripods with 19" (48cm) radius. Disassembles easily into three pieces, the largest being 28" (579cm). Dolly weighs 6.4 lbs. (2.9kg). Black finish.

**Item # BO3056.....87.95**

##### Folding Auto Dolly (3156)

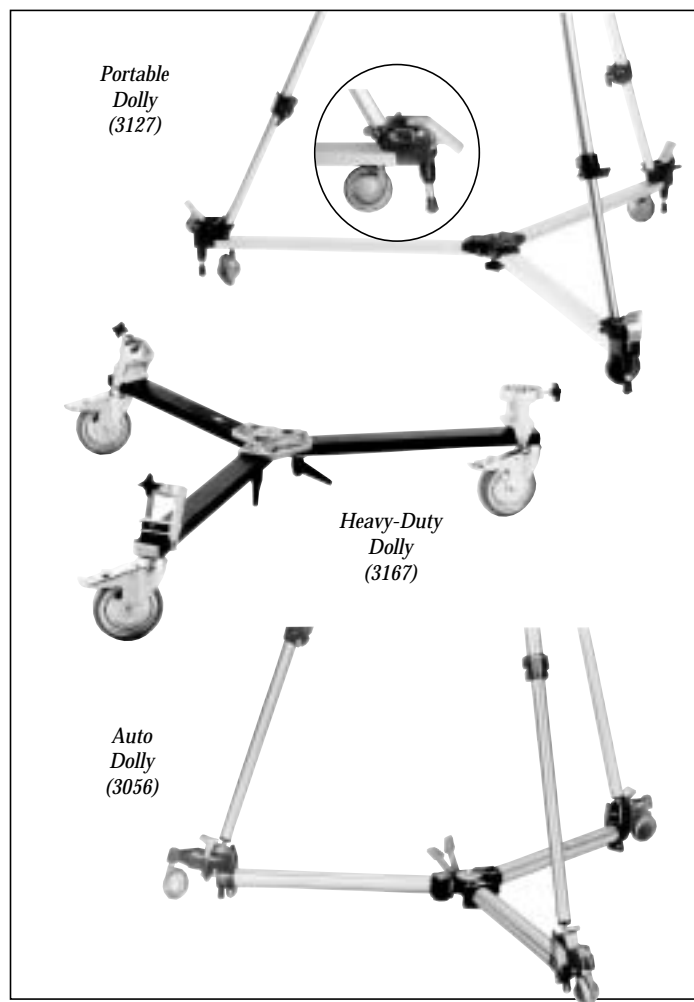
Has same central pedal locking feature as model #3056. Has 3" Shephard caster wheels. Accepts tripods with 20" (50cm) radius. Dolly folds to 27" (69cm) and weighs 10.6 lbs. (4.8kg). Aluminum finish.

**Item # BO3156 .....124.95**

##### Folding Auto Dolly Black (3254)

Same as above, in black finish.

**Item # BO3254 .....132.95**



Portable Dolly (3127)

Heavy-Duty Dolly (3167)

Auto Dolly (3056)

### Tripod/Monopod Accessories

Table Top Tripod (3007)



#### Table Top Tripod (3007)

Made of rugged, heavy-duty aluminum, the Table Top Tripod folds down small enough to slip into your pocket. Features sturdy legs with sure-grip tips for stability.

**Item # BO3007.....12.95**

#### Table Top Tripod

with Mini Ball Head (3008)

Same as #3007, with Mini Ball Head #3009.

**Item # BO3008 .....33.95**

#### Extension for Table Top Tripod (3007X)

Extends tripod from 6" to 10".

**Item # BO3007X.....18.50**

#### Car Window Pod (3292)

Clamps onto car window.

**Item # BO3292 .....21.95**

#### Car Window Pod with Mini Ball Head (3293)

Same as above, with Mini Ball Head #3009.

**Item # BO3293.....39.95**



Car Window Pod with Mini Ball Head (3293)

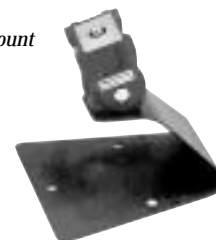
#### Table Mount

Camera Support (3276)

Made for horizontal surfaces. Can also be used to hold surveillance cameras. Complete with Swivel Tilt Head #3232.

**Item # BO3276 .....39.95**

Table Mount Camera Support (3276)



# BOGEN-MANFROTTO

## ACCESSORIES

### Tripod/Monopod Accessories, *continued*

#### Wall Mount

##### Camera Support (3277)

A bracket extending 9" (23cm) from wall. Used to hold surveillance cameras, etc.

Complete with Swivel Tilt Head #3232.

**Item # BO3277 .....37.95**

##### Table Mount Geared Column with Clamp (3253)

This versatile Table Mount Geared Column has 24" (61cm) and 1 1/2" (3.8cm) jaws that can be clamped to any handy table, ladder or shelf to serve as a steady object on which to mount camera. It fastens securely. Its geared column allows for exact adjustments.

**Item # BO3253 .....138.95**

##### All Weather Shoes (3255)

Set of 3. 5.5" diameter (14cm). Snap these all-weather shoes onto your tripod legs and be set for snow, sand or other irregular surfaces. Shoes attach easily and provide the stability needed.

**Item # BO3255 .....17.95**

##### Spiked Foot Adapter (3256)

Set of 3 spiked foot adapters. Digs in to prevent the tripod from shifting on gravel, rocks, dirt, grass and more. For 3001, 3011 and 3021 series tripods, and 3016 and 3216 monopods.

**Item # BO3256 .....14.95**

##### Surveyor's Spiked Foot (3257)

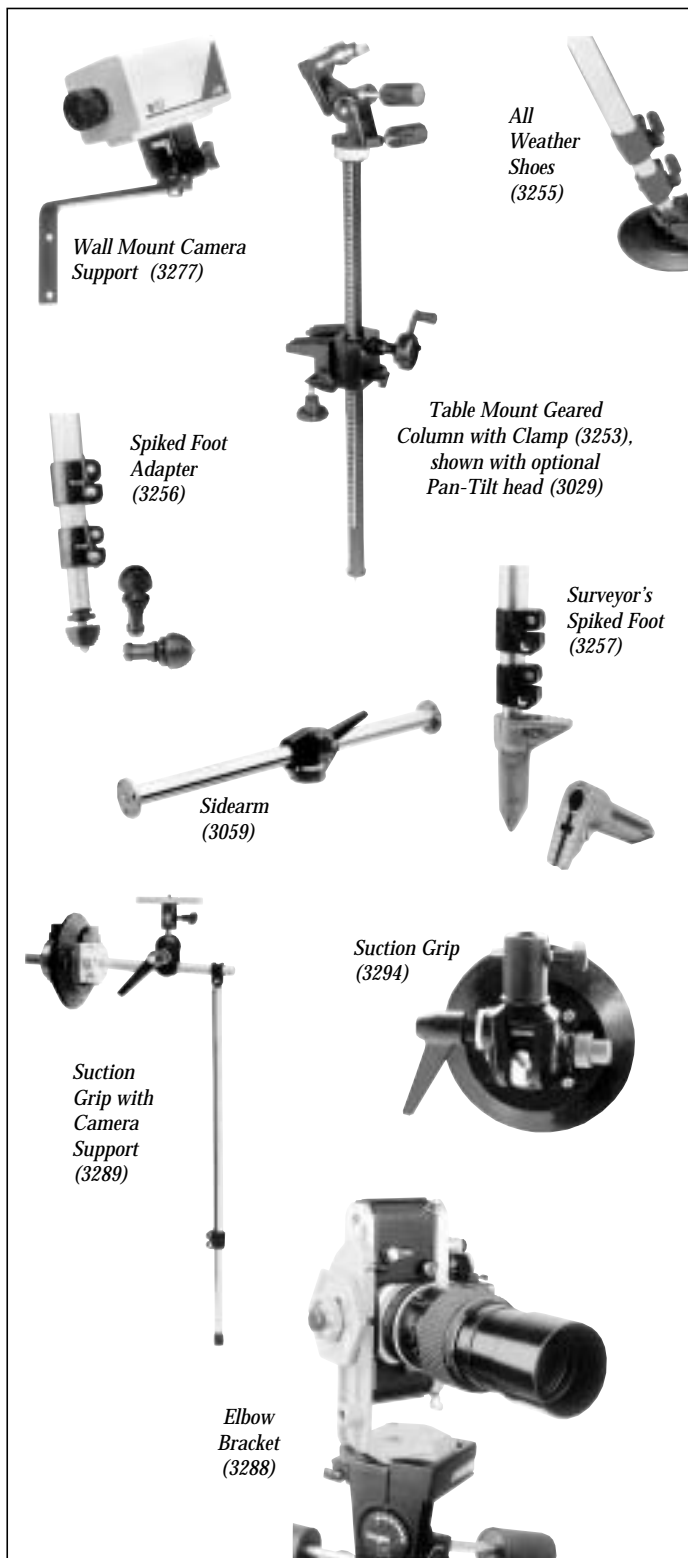
For all Bogen monopods, with the exception of those with detachable legs. This model allows the monopod to be firmly implanted in the ground.

**Item # BO3257 .....15.95**

##### Shoes for Spiked Feet (3139)

Set of 3. Fits onto tripods with spiked feet when using indoors or in studio.

**Item # BO3139 .....17.50**



##### Elbow Bracket (3288)

With 1/4-20 thread. Allows quick mounting of the camera in either vertical or horizontal plane. Also for photographers who wish to use Quick Time Virtual Reality.

Works in conjunction with the 3047, 3039, 3055, 3038, 3063 heads and 3415 QTVR Kit.

**Item # BO3288 .....47.95**

##### Elbow Bracket (3288A)

Same as Elbow Bracket 3288 with 3/8" thread.

**Item # BO3288A .....47.95**

##### Side Arm (3059)

Mounts on the center post of tripods with 3/8" thread. Double-sided (1/4-20" on one side, 3/8" on other), enabling cameras to be mounted on either or both ends. This allows photographers to shoot at a 90° angle without getting the legs in the picture. 23.5" (60cm) in length and weighs 2 lbs. (900g). Aluminum color.

**Item # BO3059 .....37.95**

##### Side Arm (3059B)

Same as above in black color.

**Item # BO3059B .....39.95**

##### Double Head Support (3153)

Same as above, plus two adjustable head platforms with 3/8" thread. 23.5" (60cm) in length and weighs 3.5 lbs. (1.59kg). Aluminum color.

**Item # BO3153 .....56.95**

##### Double Head Support (3153B)

Same as above in black color.

**Item # BO3153B .....59.50**

##### Double Camera Support Platform (3269)

With 1/4-20" and 3/8" screws.

Designed to fit any tripod head. Has 3/8" female socket.

Holds two cameras 1/4-20" or 3/8". Length 11" (28cm), weight 20 oz. (562g).

**Item # BO3269 .....47.95**



# BOGEN - MANFROTTO

## ACCESSORIES

### Tripod/Monopod Accessories, *continued*

**Bogen Manfrotto has designed a range of heads for panoramic picture taking. These can be turned into Virtual Reality images using computer software developed by Apple called "Quick Time™ Virtual Reality".**

**This software, together with a new generation of easy to use and affordable Virtual Reality software such as PictureWorks Spin™, Panonimations Nodester™, RealVR and Surround Video, provide a professional solution for anyone interested in adding digital VR panoramic images to their WEB site and/or multimedia applications.**

**There are three important requirements to achieve good panoramic sequenced shots:**

- 1. To level the panoramic rotation plane.**
- 2. The ability to choose the repeatable angle of rotation between each shot.**
- 3. Easy positioning of the camera lens optical centre above the rotation point (Nodal Point).**

#### Panoramic Head #300 (3414)

Allows the aperture to set the angle of rotation between each shot or the number of shots spanning 360° rotation using the engraved, graduated scale markings for reference. The head can be used for precise sequential and constant angle shots or simply for panning and reading the angle of rotation. The camera can be mounted directly to the Panoramic head (use adapter #120 (3054), not included, for 1/4" fitting) or on conventional Ball or 3D head which in turn is mounted on the Panoramic head. It features upper dual graduated scale to set the angle of rotation from 0° to 90° or the number of shots (from 4 to 36) spanning 360°; lower graduated scale from 0° to 360°. Accepts maximum weight of 30.8 lbs. (14kg). 2" tall and weighs 1.1 lbs. (.51kg).

**Item # BO3414.....108.50**

#### Levelling Base Head #338 (3416)

Make fine, finger tip adjustments of + - 4° to ensure the camera is perfectly level. There is a built-in spirit level for reference and the base has a 3/8" female thread to mount on a tripod or any other support. The camera head mounting is via a 3/8" male screw. Features spirit level with sensitivity of 0.5°, three-thumb rings for fine level adjustment and three grub screw located on top plate of base to lock camera head firmly. Accepts weight up to 33 lbs. (15kg), is 1.6" tall and weighs 1.2 lbs. (.53kg).

**Item # BO3416.....74.50**

#### Quick Time VR Manual Kit #302 (3415)

Designed for Quick Time Virtual Reality technology which allows virtual scenes to be created by computer from panoramic digital or digitized images that are simply stitched together. Suitable for most 35mm SLR and digital still cameras using wide angle lenses. The kit is built with a 338 Levelling Base, the 300 Panoramic Head and brackets to ensure the optical center of the lens is above the point of rotation to avoid parallax errors and ensure perfect QTVR production. Features Double Sliding Plate for "Needlepoint" adjustment, convenient camera fixing via Quick Release "Elbow Bracket" with 1/4" and 3/8" male screw, spirit level fine adjustment and graduated scale to set angle of rotation from 0° to 90° or the number of shots (4 to 36) spanning 360°. Accepts weight up to 11 lbs. (5kg), is 13.4" (34cm) tall and weighs 5 lbs. (2.25kg). With #3288 Elbow Bracket.

**Item # BO3415.....249.95**

#### Angoshot #372 Motorized System

Same as above.

**Item #.....T.B.A.**

Panoramic Head #300  
(3414)



Levelling Base Head #338  
(3416)

Quick Time VR  
Manual Kit  
#302 (3415)



# BOGEN-MANFROTTO

## ACCESSORIES

### Tripod/Monopod Accessories, *continued*

**Suction Grip Socket** (3294)  
Adheres to any flat non-porous surface with a 5.8" (15cm) suction cup. Accepts 3/8" stands, studs, etc. Features a ball-joint socket which rotates within a half hemisphere. Great for holding lights, cameras, scrims, gobos, magic arms or articulated arms. Weighs 42 oz. (1186g).  
**Item # BO3294.....56.50**

**Suction Grip with Camera Support** (3289)  
Same as above, featuring a camera support and an adjustable pole for additional support and stability.  
**Item # BO3289.....94.95**

**Macro Flash Bracket** (3278)  
Allows positioning of two shoemount flashes for macro shooting with the camera in a vertical or horizontal position. Extends to 21.5" (54.5cm). Folds to 9" (22.5cm) and weighs 12.7 oz. (360g).  
**Item # BO3278.....44.95**

**Nikon Flash Adapter** (3298)  
**Item # BO3298.....4.95**

**Telephoto Lens Support** (3420)  
With quick release. Designed to mount both the camera and a medium sized telephoto lens onto a tripod and head. Bracket length is adjustable, from 7" to 11" to take different length and diameter lenses and weighs 1.45lbs. (.65kg).  
**Item # BO3420.....49.95**

**Quick Release Plate** (3266)  
Replacement for above.  
**Item # BO3266.....9.95**

**Heavy Duty Telephoto Lens Support** (3421)  
With quick release. This swivel/gimbal design incorporates the Pro Quick Release Adapter Assembly with sliding plate (3273), allowing you to control the balance and positioning of long lenses. Measures 8 1/2" x 7 1/2" and weighs 2.6 lbs. (1.2kg).  
**Item # BO3421.....114.95**

**Quick Release Mounting Plate** (3272)  
Replacement for above.  
**Item # BO3272.....19.50**

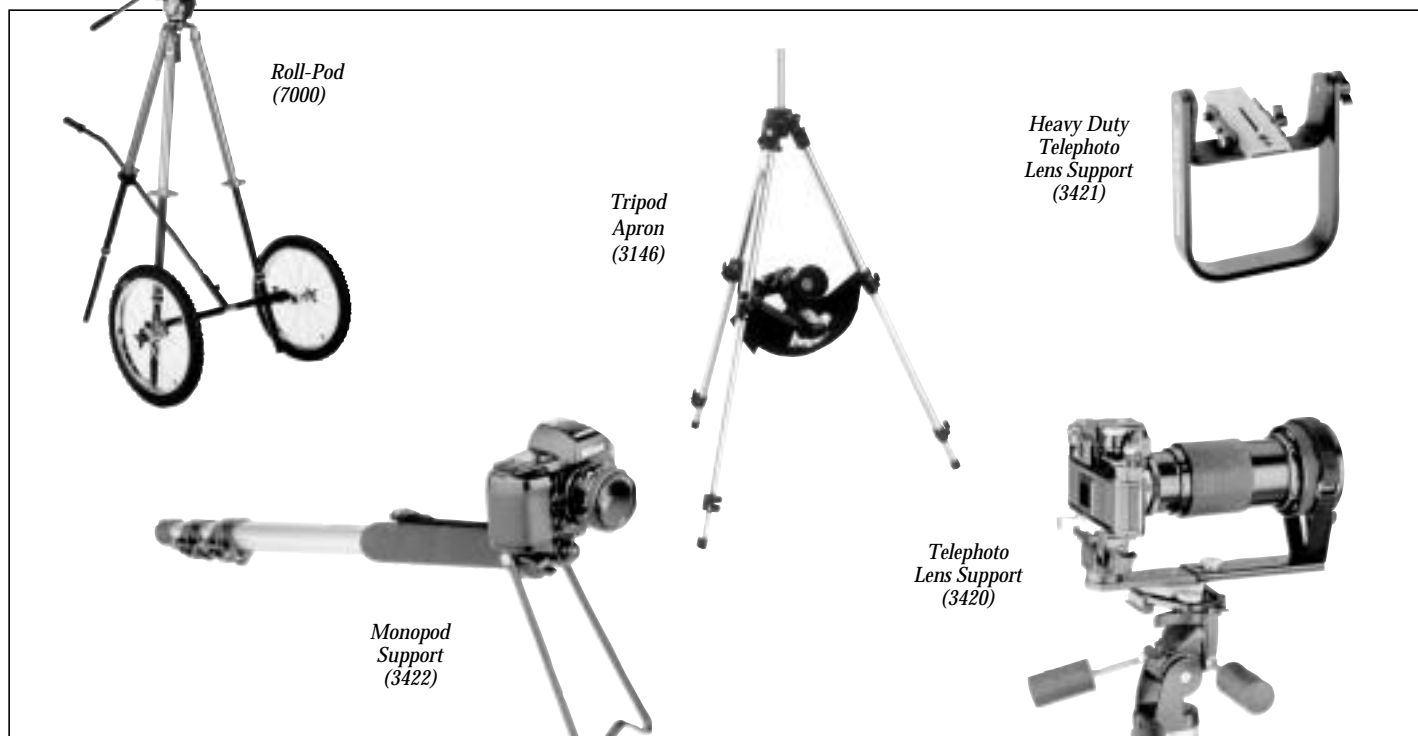
**Monopod Support** (3422)  
Fits on any monopod and converts the monopod into a tripod for long exposures. Mounts onto the top of the monopod and comes complete with the Mini Ball Head.  
**Item # BO3422.....39.95**

**Extension Leg Set** (3052)  
Set of 3. Extends both the #3046 and #3051 tripods by 19" (48cm).  
**Item # BO3052.....38.95**

**Lightweight Tripod Spreader** (3155)  
The quick and easy way to add stability. Its minimum radius is 16" (40.6cm). Its maximum spread radius is 25 1/2" (64.8cm). It weighs only 24 oz. (678g).  
**Item # BO3155.....34.95**

**Lightweight Tripod Spreader** (3138)  
Same as Lightweight Tripod Spreader (3155), for tripods with spiked feet. Weighs 25oz (720g).  
**Item # BO3138.....44.95**

**Roll-Pod** (7000)  
Provides photographers and videographers with the quickest way to move their tripod over virtually any terrain. A custom aluminum alloy frame with 16" ball bearing riveted spoke wheels. Can move camera bags, monitors, battery packs and other accessories. The Roll-Pod works with #3021, #3033, #3036, #3051 and #3058 photo series and #3061 and #3068 video series tripods. Specs are: Axle length 35" (89cm), leg clamp max ID 1.3" (32mm), handle clamp max ID 1.6" (40mm), load capacity 100 lbs. (45.7kg) and weighs 9 lbs. (4kg).  
**Item # BO7000.....319.95**



**All items are complete with all accessories as supplied by the manufacturer**

# BOGEN - MANFROTTO

## ACCESSORIES, STRAPS AND BAGS

### Tripod/Monopod Accessories, *continued*

#### Long Lens Support (3252)

This sturdy support attaches to the tripod with a Super Clamp (included) and telescopes to the tripod socket on the camera up to 26" (66cm) to prevent vibration. Camera sits on mini ball head (included). Weighs 24.4 oz. (692g).

**Item # BO3252 .....36.95**

#### Projector Platform (3290)

The aluminum Projector Platform for projectors, speakers, etc., attaches to Bogen tripods or any tripod without head and 3/8" screw. Measures 9.75x13.75" (24.8x35cm) and weighs 2.3 lbs. (1kg).

**Item # BO3290 .....24.95**

#### 3-Section Center

##### Column Monopod (3259)

Fits all #3011, #3211 and #3021 and #3221 tripods. Allows you to remove the column from the tripod and use it as a 59" (150cm) monopod. When the Center Column Monopod is used with the #3021 or #3221, minimum height is increased. Extends from 20" to 57". Aluminum finish.

**Item # BO3259 .....54.95**

#### Center Column

##### Monopod Black (3259B)

Same as above, in black finish.

**Item # BO3259B .....56.50**

#### Monopod

##### Shoulder Brace (3248)

Fits against shoulder to give extra support and greater stability to the monopod.

**Item # BO3248 .....16.50**

#### Monopod Belt Pouch (3247)

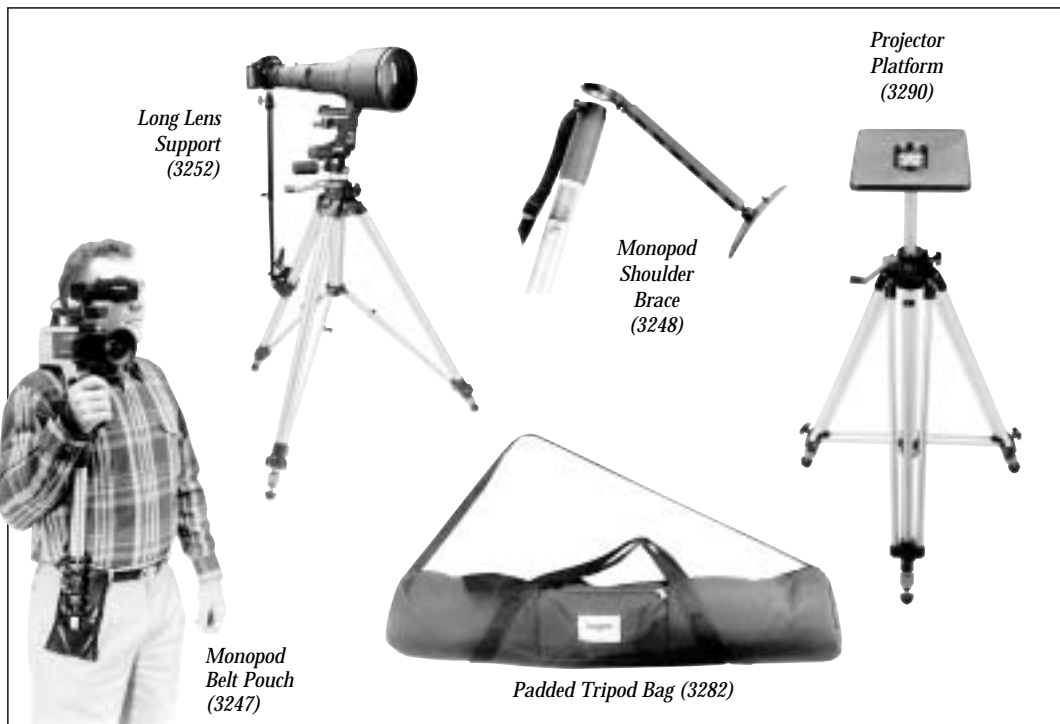
Adds stability and allows use of monopod at less than full length for easy transport.

**Item # BO3247 .....12.95**

#### Tripod Apron (3146)

Attaches easily to any Bogen tripod. Holds lenses, film, filters, etc.

**Item # BO3146 .....20.95**



### Flanges and Plates



Converter Plate (3054)

#### Converter Plate (3054)

Allows any Bogen tripod or any tripod with 3/8" thread to accept cameras with 1/4-20" socket.

**Item # BO3054 .....13.50**

#### Converter Plate (3154)

3/8" female thread on both sides. Allows any Bogen tripod or any tripod with 3/8" thread to accept male 3/8" thread. Also allows use of the Side Arm #3059 as a column extension.

**Item # BO3154 .....14.95**

#### Adapter with Flange (3367)

Converts 1/4-20" to 3/8".

**Item # BO3367 .....6.50**

### Bags

Zippered with carrying strap. Handsome dark blue heavy-duty Cordura nylon.

#### Junior Tripod

Bag 23" [58cm] (3409)

**Item # BO3409 .....19.95**

Tripod Bag 25" [63.5cm] (3279)

**Item # BO3279 .....29.95**

Tripod Bag 35" [89cm] (3280)

**Item # BO3280 .....36.95**

Tripod Bag 45" [114cm] (3281)

**Item # BO3281 .....46.95**

#### Padded Tripod Bag (3282)

Extra large heavy duty padded back bag 46" (117cm) with a 9" (23cm) circumference. With carrying handle and shoulder strap.

**Item # BO3282 .....69.95**

#### Padded Tripod Bag (3282S)

Same as above, but 33" (84cm) by 9" (23cm) diameter.

**Item # BO3282S .....59.95**

### Straps

#### Lightweight Carrying Strap (3045)

With shoulder pad. Attaches to tripod via screw and loops around the legs for convenient carrying. 1" wide; adjusts to 57" (145cm).

**Item # BO3045 .....12.95**

#### Heavy Duty Carrying Strap (3044)

With shoulder pad. Same as above. 2" wide strap.

**Item # BO3044 .....19.95**

Lightweight Carrying Strap (3045)



#### Junior Strap (3408)

With shoulder pad. 1 1/2" wide.

**Item # BO3408 .....12.50**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# BOGEN-MANFROTTO

## CASES AND PLATES

### Quick Release and Mounting Plates

**Compact Quick Release** (3299)  
With Quick Release Plate  
#3266. Ideal for 35mm cameras.  
**Item # BO3299 .....24.95**

**Low Profile Quick Release** (3270)  
With Quick Release Plate  
#3271. Attaches to any head.  
Provides quick release feature.  
Threaded for 1/4-20" and 3/8".  
**Item # BO3270 .....24.50**

**Pro Quick Release Adapter with Slide Plate** (3273)  
With quick release 5.5x2" plate  
#3272 and extra 3/8" screw. Base  
is threaded for 1/4-20" and 3/8".  
**Item # BO3273 .....31.95**

**Quick Release Mounting System** (3296)  
With Pentagon Quick Release  
Plate #3049 and extra 3/8" screw.  
Base is threaded for 1/4-20"  
and 3/8".  
**Item # BO3296 .....30.95**

**Universal Mounting Plate** (3268)  
With 1/4-20" and 3/8" screws. A  
2.4 x 4.7" (6x12cm) mounting  
plate. Fits all Bogen quick  
release heads using Pentagonal  
plates, such as #3038, #3039,  
#3047 and #3055 heads.  
**Item # BO3268 .....23.95**

**90° Alignment Mounting Plate** (3267)  
For architectural photography.  
Assures perfect alignment in  
the vertical position. Fits all  
Bogen quick release heads  
using Pentagonal plates, such  
as #3038, #3039, #3047 and  
#3055 heads.  
**Item # BO3267 .....18.95**

**Anti-Theft Locking Plate** (3295)  
Designed for #3047, #3038,  
#3039 and #3055 heads. Easy to  
use. Simply remove the quick  
release plate, replace with the  
Anti-Theft Plate and attach  
cable to stationary fixture.  
**Item # BO3295 .....54.95**

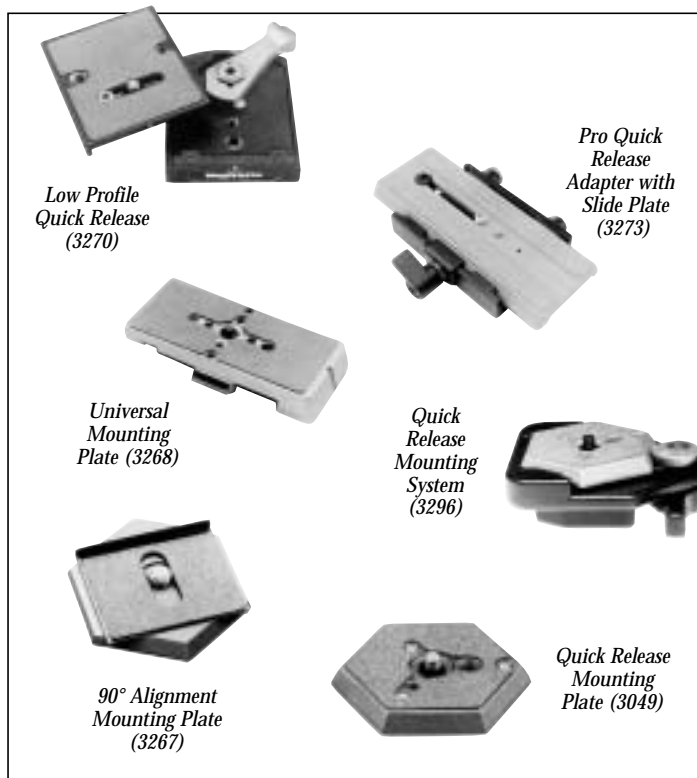
### Hard Cases

Lockable tripod  
cases made of  
heavy-duty high-  
density polyethyl-  
ene with exception-  
al impact resistance  
outside, superior  
cushioning inside.  
Features aluminum  
tongue and groove  
closures, recessed  
nickel-plated latches  
and piano hinges.  
Small case interior  
measures 6x6x44"  
(15x15x112cm) and  
weighs 9.7 lbs. (4.4kg).  
For #3033, #3036, #3046  
and #3051 tripods with all heads, except #3066. Large case interior  
measures 9.5x9.5x44" (24x24x112cm) and weighs 13.3 lbs. (6kg). For  
#3062, #3065, #3194 and #3195 tripods.



**Small Hard Case** (3285)  
**Item # BO3285 .....139.95**

**Large Hard Case** (3286)  
**Item # BO3286 .....154.95**



### BOGEN QUICK RELEASE MOUNTING PLATES

PLATE #	THREAD (")	FITS	ITEM #	PRICE
3027	1/4-20	#3026	BO3027	8.50
3041	1/4-20	#3038, #3039, #3047, #3055, #3296	BO3041	14.95
3042	3/8"	#3038, #3039, #3047, #3055, #3296	BO3042	14.95
3048	3/8"	#3038, #3039, #3047, #3055, #3296	BO3048	14.95
3049	1/4-20	#3038, #3039, #3047, #3055, #3296	BO3049	14.95
3157	1/4-20	#3405, #3030, #3130, #3160, #3063	BO3157	9.95
3157A	3/8"	#3405, #3030, #3130, #3160, #3063	BO3157A	9.95
3264L	1/4-20, 3/8"	#3263	BO3264L	12.50
3264M	1/4-20, 3/8"	#3263	BO3264M	12.50
3264H	1/4-20, 3/8"	#3263	BO3264H	12.50
3266	1/4-20	#3229, #3262QR, #3265, #3299, #3420	BO3266	9.95
3266A	3/8"	#3229, #3262QR, #3265, #3299, #3420	BO3266A	9.95
3267	1/4-20	#3038, #3039, #3047, #3055, #3296	BO3267	18.95
3268	1/4-20, 3/8"	#3038, #3039, #3047, #3055, #3296	BO3268	23.95
3271	1/4-20	#3270, #3275	BO3271	9.95
3272	1/4-20	#3273, #3421	BO3272	19.50
3297	1/4-20	#3057	BO3297	37.95
3411	1/4-20	#3410	BO3411	11.95
3412	3/8"	#3410	BO3412	11.95

*The new Cullman Tripod System was developed in Germany; combining modern technology and precision craftsmanship to produce a rugged tripod of minimal weight. They are distinguished by modern design, state-of-the-art concepts and functional engineering.*

*All Cullman tripods and accessories are covered by a 5 year warranty.*



Universal  
(54100)

### Universal Tripods

#### Universal 2000 and 3000 Series

The 2000 and 3000 Series tripods are made of cobalt gray anodized aluminum finish, feature 3-section leg tripods, trapezoidal closed channel legs with maximum strength, minimum weight and quick release leg locks. A removable center column converts models 2800 and 3430 to monopods. The 3-way photo pan head comes with a quick release wide camera plate and a safety lock.

**Universal 2200 Video Tripod (CU-2200)**  
With quick release plate. Geared column, 2-way fluid effect pan head for smooth rotation.  
**Item # CUU2200 .....96.50**

**2800 Tripod (2800)**  
A 25mm diameter leg tripod with large 2 1/4 x 2 1/4" (60x60mm) quick release plate and removable center column. Ideal for 35mm cameras.  
**Item # CU2800 .....129.95**

**Universal 3230 Photo Tripod (CU-3230)**  
With 3-way quick release photo head. Heavy 29mm trapezoidal legs, built-in handle with retractable shoulder strap geared crank with locking center column and bubble levels.  
**Item # CUU3230 .....129.95**

**Universal 3401 Video Tripod (CU-3401)**  
With quick release head. Shares all of the 3230 series specifications plus. The center column can be instantly converted into a full height monopod with quick release head.  
**Item # CUU3401 .....164.95**

**3430 Tripod (3430)**  
A 29mm diameter leg tripod with wide quick release plate and removable center column which can be converted into a 3-section monopod accepting 1/4-20" accessories, including removable fluid head. Monopod will extend to 44 1/2" (114cm).  
**Item # CU3430 .....148.95**

**Universal Macro Tripod (CU-3335)**  
Solid, stable tripod perfect for macro or table top photography. Center column is removable and reversible to facilitate extra low camera angles. Compact design when closed, yet reaches full height for normal tripod uses.  
**Item # CUUM .....136.50**

**Universal 3301 Macro/Ground Tripod (CU-3301)**  
With quick release head. This specially designed tripod has vari-position legs and can be opened to facilitate extremely low camera angles. Perfect for flowers, macro, repro photography. It can be used in normal position for "eye level" work. 2-section anodized leg segments include unique sliding/lock center column. Built-in carrying handle and retractable shoulder strap.  
**Item # CUU3301 .....178.50**



Universal  
102 Tripod  
(CU-54102)

2800 Tripod (2800)

**Sturdy U-leg tripods. Ideal for photo, video or digital cameras. With 3-section trapezoidal legs with black anodized finish. Features crank column with air dampened brake system, center brace column support, built-in carry handle and rubber feet.**

**Universal 100 Tripod (CU-54100)**  
With quick release three way pan head. A 20mm diameter leg tripod with geared air cushion center column and built-on carrying handle. Ideal for compact cameras.  
**Item # CUU100 .....48.50**

**Universal 101 Tripod (CU-54101)**  
With quick release three way pan head and ball joint rubber feet, a 25mm diameter leg tripod air cushioned geared center column and built-on carrying handle. Ideal for SLR's and video cameras.  
**Item # CUU101 .....54.50**

**Universal 102 Tripod (CU-54102)**  
With heavy duty removable 3-way large pan head, 2.25 x 2.25" (60x60mm) quick release plate and ball joint rubber feet. A 28mm diameter leg tripod with air cushioned geared center column and built-on carrying handle. For medium weight photo and video cameras. Head is removable to fit other 1/4-20" accessories.  
**Item # CUU102 .....79.95**

**Universal 1600 Tripod (CU-1600)**  
With quick release 3-way pan head. Features thick, 21mm, closed segment legs to keep out the elements.  
**Item # CUU1600 .....74.95**



# CULLMAN

## TRIPODS / TOURING SET

### UNIVERSAL TRIPOD SPECIFICATIONS

MODEL #	100	101	102	1600	2200	2800	3230	3401	3430	3335	3301
Load Capacity	7.7 lbs. (3.5kg)	7.7 lbs. (3.5kg)	8.8 lbs. (4kg)	6.6 lbs. (3kg)	7.7 lbs. (3.5kg)	7.7 lbs. (3.5kg)	7.7 lbs. (3.5kg)	7.7 lbs. (3.5kg)	7.7 lbs. (3.5kg)	7.7 lbs. (3.5kg)	7.7 lbs. (3.5kg)
Minimum Usable Height	22" (56.5cm)	22.6" (57.5cm)	26.2" (66.5cm)	23" (59cm)	23" (59cm)	23.2" (59cm)	24.8" (63cm)	24.4" (62cm)	24.3" (63cm)	0" (0cm)	15.7" (40cm)
Maximum Extension	61" (156cm)	60.6" (154cm)	64.6" (164cm)	58" (147cm)	60" (154cm)	58" (147cm)	60" (152cm)	59" (150cm)	59.5" (151cm)	59" (150cm)	60" (152cm)
Leg Sections	3	3	3	3	3	3	3	3	3	3	3
Center Column Sections	1	1	1	1	1	1	1	1	1	1	1
Folded Length	24" (60cm)	24" (61cm)	27.5" (70cm)	21" (53.3cm)	26" (67cm)	23" (58.4cm)	24" (61cm)	27" (69cm)	27" (69cm)	16" (40.6cm)	27" (69cm)
Weight	2.6 lbs. (1.2kg)	3 lbs. (1.4kg)	4.2 lbs. (1.9 kg)	27.5 oz. (780g)	3.2 lbs. (1.4kg)	4 lbs. (1.8kg)	5.25 lbs. (2.4kg)	5.25 lbs. (2.4kg)	5.25 lbs. (2.3kg)	5.6 lbs. (2.5kg)	5.6 lbs. (2.5kg)

*Subject to change without notice*

### Touring Set - The Ultimate Outdoor Survival Set

This five-piece versatile kit will hold a still or video camera steady on virtually any surface in any situation. It contains a special compact combination tripod with ballhead, the basis of the Touring Set, a Universal Clamp, a Suction Pad, a 7" Ground Spike and a Wood Screw, which are all available separately.



*Touring Kit  
(1001)*

**Compact Combination Tripod with Ballhead (CU-1002)**  
The light weight and compact size of this tripod make it an ideal, take-anywhere tripod. The center-column and ball and socket head may be combined with any part of the set. Its load capacity is 6.6 lbs. (3kg), its minimum height 12.2" (31cm), and its maximum height 32.2" (82cm). It weighs only 19 oz. (540g).  
**Item # CUC .....52.50**

**Universal Clamp (CU-1004)**  
Allows secure mounting on any round, square or irregular surface with a diameter of up to 3.25" (8.5cm). The back of the clamp is lined with protective material, and may be used in combination with the ball and socket head and the correct column of the tripod. It weighs 12 oz. (340g).  
**Item # CUCU .....39.95**

**Suction Pad (CU-1003)**  
Reliable mounting to all slippery surfaces. Its maximum weight capacity is 22 lbs. (10kg) and it weighs 10 oz. (275g).  
**Item # CUSM .....33.50**

**Ground Spike (CU-1006)**  
This 7" (18cm) spike gives additional support. It weighs 3.2 oz. (90g).  
**Item # CUGS .....16.95**

**Wood-Screw (CU-1005)**  
For secure fixing to fences, logs, tree stumps, beams, etc. May be used in conjunction with the ball and socket head of the center column of the tripod. It weighs 2.5 oz. (70g).  
**Item # CUWS .....16.95**

**Touring Kit (1001)**  
Contains the Compact Combination Tripod with Ballhead, Universal Clamp, Suction Pad, Ground Spike, and Wood Screw.  
**Item # CUTS .....136.50**

### Magic Super Compact Tripods

The world's most compact full height tripods fold flat for easy storage. Made of light weight anodized aluminum, the Magic 2 and Video Magic tripods have the capability of also converting to monopods. Ideal for travelling.



**Magic II Tripod (2722)**  
With quick release and removable ballhead. By removing one of the legs and center column it can be converted into a 25-45" (63-115cm) monopod which will accept 1/4-20" accessories, including supplied ballhead.  
**Item # CUM2 .....129.95**

**Mini Magic Tripod (CU-2701)**  
A smaller sized magic tripod with the same unique "folding flat" design as the Magic II. Includes a sliding center column, with ball and socket head. Weighs only 1.5 lbs. Great for backpackers.  
**Item # CUMM .....67.95**

**Video Magic Tripod (CU-2732)**  
With quick release fluid effect head. Same features as the Magic II Tripod with a fluid head instead of a ballhead. It can also be used for photo cameras.  
**Item # CUVM .....129.95**

### MAGIC TRIPOD SPECIFICATIONS

MODEL #	MAGIC II	VIDEO MAGIC	MINI MAGIC
Load Capacity	7.7 lbs. (3.5kg)	7.7 lbs. (3.5kg)	6.6 lbs. (3kg)
Maximum Extension	57" (145cm)	57" (145cm)	21" (53.3cm)
Leg Sections	4	4	4
Center Column Sections	2	2	2
Folded Length	13.5 x 6 x 1.5" (34.5 x 15.3 x 3.8cm)	13.5 x 6 x 1.5" (34.5 x 15.3 x 3.8cm)	8.5 x 6 x 1.5" (21.2 x 15.3 x 3.8cm)
Weight	3 lbs. (1.4kg)	3.3 lbs. (1.5kg)	1.5 lbs. (680g)

*Subject to change without notice*

### Titan Professional Legs

*Professional tripods constructed of hollow trapezoidal legs. The advantage over an open profile leg is that these are far more resistant to twisting, yet still weigh less, while accepting a maximum load of 154 lbs. (70kg). Through the fixed pneumatic center column, the camera height is lowered by reducing the pressure. There is no possibility of the camera suddenly dropping down. The length of the legs can be quickly and easily extended with the aid of the wide snap locks on top of the tripod. The legs are sealed and waterproofed, allowing you to use them outdoors, in snow, water or sand, without fear of the elements. The lower leg has a 35mm diameter and the upper leg a 29mm diameter.*

#### CT100Z with Air Dampened Center Column (CU-5100)

This heavy-duty professional grade tripod features 2 segment legs (29/35mm), extends to 69" (175cm) and includes an exclusive air brake center column. The camera rides on air pressure, easy to position and lower with the touch of one button. (No head.)

**Item # CUCT100Z.....259.95**

#### CT100Z Tripod with QR Head (CU-55903)

This Titan tripod features a sliding/locking center column, which can be reversed for low camera angles. It includes a three-way quick-release ball head (CT22).

**Item # CUCT100ZQR.....397.50**

#### CT200Z Tripod with Geared Center Column (CU-5200)

The CT200Z Tripod features a permanently fitted helically geared column. The precision gearing functions as an automatic column brake. The camera can be positioned at either end of column to facilitate low camera angles.

**Item # CUCT200Z.....342.50**

#### CT300 Studio Tripod without Head or Column (CU-5300)

The Titan CT300 Studio Tripod features even heavier and thicker 35/42mm leg segments, with a 25° leg spread. The tripod is supplied without a head or column.

**Item # CUCT300.....299.95**

#### CT400 Tripod - Macro/Grounder (CU-5400)

Similar to the CT300, the CT400 has extra large diameter trapezoidal legs. Low level shots are simple to achieve since the vari-position legs can be used in three stages, 35°, 45° and 55°. Includes center helically geared column for precise camera positioning.

**Item # CUCT400.....399.95**



CT-110 Tripod Leg (55110)

### Optional Accessories

#### CT75 Heavy-Duty Tripod Dolly (CU-5075)

Tripod dolly for use with all Tital tripods. Locking "easy roll" wheels.  
**Item # CUD .....348.95**

#### CT60 Macro Insert (CU-CT60)

**Item # CUMIT.....148.95**

#### CT64 Extra Long 31" Crank Column Insert

**Item # CUCCIT.....198.95**

#### CT67 Ground Spikes Set of three.

**Item # CUGSST.....36.95**

#### CT77 Large Camera Platform w/Fine Adjustment

**Item # CUQRPT.....67.95**

### TITAN TRIPOD SPECIFICATIONS

MODEL #	CT100Z	CT200Z	CT300Z	CT400
Load Capacity	154 lbs. (70kg)	154 lbs. (70kg)	154 lbs. (70kg)	154 lbs. (70kg)
Minimum Usable Height	28.7" (73cm)	28.7" (73cm)	37.8" (96cm)	21.6" (55cm)
Maximum Extension	63.4" (161cm)	63.4" (161cm)	59" (150cm)	55" (140cm)
Leg Sections	2	2	2	2
Center Column Sections	1	1	1	1
Weight	8.6 lbs. (3.9kg)	8.6 lbs. (3.9kg)	8.2 lbs. (3.7kg)	10.2 lbs. (4.6kg)

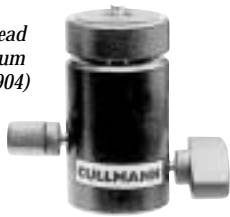
*Subject to change without notice*

# CULLMAN

## ACCESSORIES

### Ballheads

Ballhead  
Medium  
(CU-904)



Suitable for mounting on any tripod or 1/4" threaded screw mount. All models tilt 90°. Made of hardened steel for maximum strength and durability.

**Ballhead Small** (CU-903)  
1" diameter, 2.8" height (70mm) and weighs 5.3oz (150g).  
**Item # CUBHS.....29.50**

**Ballhead Medium** (CU-904)  
1 1/2" diameter, 3.2" height (80mm) and weighs 8.2oz (230g).  
**Item # CUBHM.....44.50**

**Ballhead Large** (CU-905)  
2" diameter, 3.5" height (90mm). Weighs 13.4oz (380g).  
**Item # CUBHL .....68.50**

### Mini Tripods

**Piccolo - 1997 Design Award Winner** (CU-50001)  
The Piccolo is smaller than a pack of cigarettes, yet has three-way adjustable head with 5-section legs. It weighs only 3 ounces. Includes case. Blister packed.  
**Item # CUP.....18.95**

**TravelPod** (CU-3090)  
The TravelPod is a combined shoulder/table top tripod with a unique folding shoulder stabilizer, 2-way video head with quick coupling. It is ideal for use with both cameras and binoculars.  
**Item # CUTP .....44.50**

**MultiPod** (CU-3080)  
The MultiPod is a multi-faceted mounting system. It is great for video filming in auto, ship trains or even from a small plane. Sure grip rubber feet and suction cup mounting possible. Unique.  
**Item # CUMP .....59.95**

### Jet Set Lightweight Tripods

**Jet Set Tripod** (CU-52013)  
Cullman's lightweight travelling tripod. Weighs only 1.5 lbs. (750g). Locking, sliding center column with 3-way pan head. Each tripod comes complete with a carry case for fast easy transport. 4-section round legs for stability. Height is 17" (43cm) closed, 51" (130cm) extended.  
**Item # CUJS .....45.95**

**Jet Set 15 Tripod** (CU-52015)  
Similar to the original Jet Set, but includes sturdier 3-section legs with crank column and column support. Taller, extends to 56". Includes 3-way quick release head. Carry case included for easy transport.  
**Item # CUJS15 .....59.95**



### Miscellaneous Accessories

**Quick Release Platform** (CU-70)  
Converts any brand tripod, monopod or camera bracket to Cullman's quick release system. Supplied with 1/4" camera plate. 1/4" threaded bottom.  
**Item # CUQR .....32.50**

**CU-78 Spirit Level**  
Designed for leveling cameras and tripods. Provides horizontal and vertical leveling. Fits standard accessory shoe. 1/4" threaded bottom.  
**Item # CUSK .....7.95**

**Camera Plate**  
1/4" Standard (CU-81)  
**Item # CUQRP.25 .....12.95**

**Camera Plate**  
1/4" with Stabilizer Bar (CU-83)  
**Item # CUQRP.25SB .....13.95**

**Camera Plate**  
3/8" Standard (CU-82)  
**Item # CUQRP38 .....12.95**

**Camera Plate 3/8" with Stabilizer Bar** (CU-85)  
**Item # CUQRP38S .....13.95**

**Camera Plate 1/4" with Video Pin** (CU-3011)  
Fits 2000 and 3000 Series tripods.  
**Item # CUQRP.25VP .....16.50**

**Camera Plate** (CU-3012)  
Same as above with stabilizer bar.  
**Item # CUQRP.25S .....16.50**

## MONOPODS

**4-Section Deluxe Monopod** (1747)  
A most unique monopod! Includes 2-way removable fluid effect pan head with quick release camera plate. 62" (158cm) maximum height. 21" (54cm) collapsed height. Unique built-in tri-support legs are concealed inside the bottom leg for leaning monopod on its own weight. Weighs 28.5 oz. (810g).  
**Item # CUMPD .....67.95**

**CT-304 Titan Monopod** (CU-55304)  
Built the same way as the Titan tripods. 29mm bottom leg and 35mm top leg. Weighs 4 lbs. (1.8kg) and extends to 61" (155cm).  
**Item # CUMPCT304 .....174.50**

**Magic Monopod** (CU-2741)  
Lightweight monopod takes up less space than an umbrella. Five segment leg locks with one twist. fast. Anodized finish for reflection-free shooting. Great for video or photo use. 1/4" threaded connecting stud on top. Closes to only 16" (41cm), extends to 56" (142cm), and weighs only 12 oz. (340g).  
**Item # CUMPM .....39.95**



*Gitzo tripods, monopods, heads and accessories are acknowledged by professionals all over the world to have set the industry's standard of excellence. The finest and strongest metal alloys are used in the manufacture of Gitzo products. Each tripod has been especially designed to withstand a maximum weight of equipment. This weight is determined by the diameter of the upper tripod leg. The first number in a 3-digit number, or the second number in a 4-digit number refers to the tripod upper leg and will also help in choosing the proper tripod head. For example, a discontinued G-375 or a current G-1376 head will match a G-320 tripod leg; while a G-1275 head will match a discontinued G-224 or a current G-1228 tripod leg.*

*Gitzo tripods are superbly engineered to withstand the most robust handling. High strength light alloy tubes resist twist and stress to provide absolute stability. Fine-tolerance telescopic legs ensure smooth silent gliding action every time. And all Gitzo tripods are easily assembled and maintained, while fiber clamping bushes will protect the metal surfaces against damage and wear.*



SPECIFICATIONS		
SERIES	SERIES REFERENCE	UPPER LEG SIZE Ø
Table	00	5/8" (16mm)
Weekend	0	3/4" (20mm)
Sport	1	7/8" (24mm)
Reporter	2	1-1/8" (28mm)
Studex, Inter Pro Studex	3	1-1/4" (32mm)
Pro Studex	4	1-1/2" (38mm)
Tele Studex	5	1-5/8" (42mm)

The Gitzo range of carbon fiber tripods and light-weight aluminum tripods are designed for every application in studio or location. The **Mountaineer** carbon fiber tripods are up to 30% lighter than traditional aluminum versions, while retaining strength and torsional rigidity. Ideal for the photographer or videographer on the move. The **Classic** line used by professionals around the world is engineered from the finest high-strength aluminum and hand-crafted to provide uncompromised support.

### Tripod Legs

Gitzo makes two style tripods – Standard Tripods, and Performance Tripods. The leg of the Standard style tripod spreads to 24°, while the Performance style tripod has a variable leg spread of 24° and 60° on the series 0, 1, 2 and Studex Series 3. The Inter Pro Studex Series 3, Pro Studex Series 4 and the Tele Studex Series 5 have an additional leg spread of 80°. Most Gitzo tripods include a Sliding Rapid Reversible center column, or a Geared column. All columns and heads are fitted with 1/4" reversible to 3/8" screw.

#### SERIES 00

##### Table Tripod (G0011)

A very popular table or mini tripod offering maximum rigidity for compact cameras. Features effortless double lift rapid center column and can be used as a firm wall brace. Extremely portable, it fits into the smallest of accessory bags.

Item # GIG0011 .....**84.95**

#### SERIES 0

Compact and sturdy tripods for 35mm and small camcorders.

##### Weekend

##### Standard Tripod (G01)

With one section rapid column.

Item # GIG01 .....**123.95**

##### Weekend Compact

##### Performance Tripod (G026)

With two section rapid column.

Item # GIG026 .....**196.95**

### Tripod Legs, *continued*

#### SERIES 1

Suitable for 35mm cameras, lightweight medium format and video cameras. Available with a fixed leg spread in the Standard series, or a variable leg spread in a Performance series.

**Sport Standard Tripod** (G101)  
With one section rapid column.  
**Item # GIG101 .....144.95**

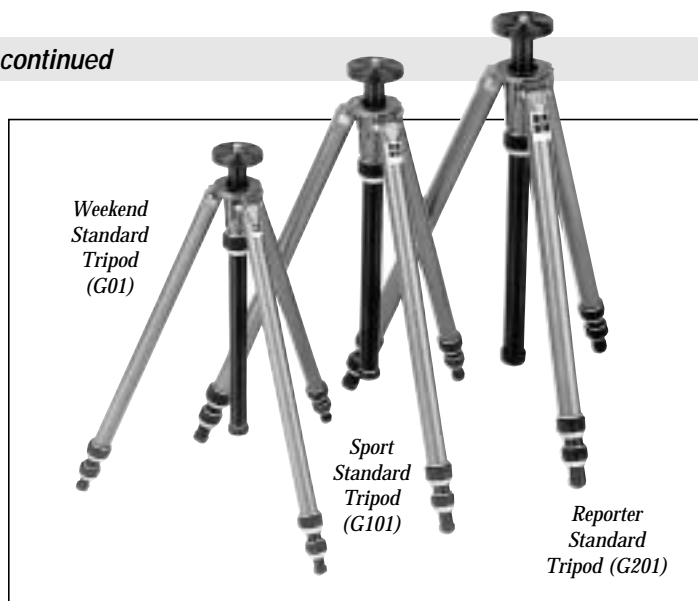
**Sport Standard Totalux Tripod** (G106)  
With two section rapid column.  
**Item # GIG106 .....149.95**

**Sport Performance Tripod** (G120)  
With two section rapid column.  
**Item # GIG120 .....194.95**

**Sport Performance Totalux Tripod** (G126)  
With two section rapid column.  
**Item # GIG126 .....194.95**

**Sport Performance Tripod** (G112)  
With geared column.  
**Item # GIG112 .....247.95**

**Sport Performance Tripod** (G118)  
With short geared column.  
**Item # GIG118 .....259.95**



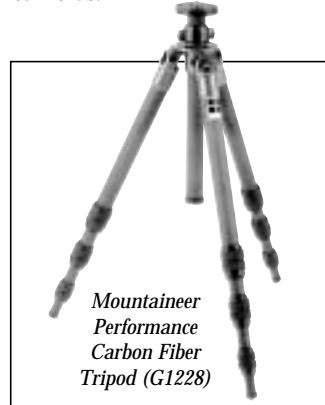
#### SPECIFICATIONS SERIES 00, 0, 1 TRIPODS

MODEL #	G0011	G01	G026	G101	G106	G120	G126	G112	G118
Load Capacity	6.5 lbs. (3kg)	5.5 lbs. (2.5kg)	5.5 lbs. (2.5kg)	10 lbs. (4.5kg)	10 lbs. (4.5kg)	10 lbs. (4.5kg)	10 lbs. (4.5kg)	10 lbs. (4.5kg)	10 lbs. (4.5kg)
Maximum Extension	18.6" (47cm)	48.5" (123cm)	54.5" (138cm)	54.5" (138cm)	52.1" (132cm)	58.3" (148cm)	53.8" (137cm)	56.5" (144cm)	51.1" (130cm)
Minimum Usable Height *	6.6" (16.8cm)	16" (40cm)	11.3" (30cm)	17.8" (45cm)	12.6" (32cm)	11.4" (29cm)	12" (30cm)	11.3" (30cm)	11" (28cm)
Leg Sections	2	3	4	3	4	3	4	3	3
Center Column Section	2	1	2	1	2	2	2	1	1
Folded Length	8.5" (22cm)	17.3" (94cm)	15" (38cm)	19.5" (50cm)	13.6" (35cm)	20.6" (52cm)	15" (38cm)	21.3" (54cm)	21.6" (55cm)
Weight	.75 lbs. (340g)	2 lbs. (900g)	2.2 lbs. (1kg)	3 lbs. (1.4kg)	2.8 lbs. (1.2kg)	3.3 lbs. (1.5kg)	3 lbs. (1.4kg)	3.8 lbs. (1.7kg)	3.5 lbs. (1.6kg)

\* Minimum capacity height is with camera on top of tripod. By reversing center column, the tripod can be used even lower.

#### SERIES 2

Suitable for heavy 35mm, 2 1/4" (6x6) cameras and light field cameras.



**Reporter Standard Tripod** (G201)  
With one section rapid column.  
**Item # GIG201 .....152.95**

**Reporter Performance Tripod** (G220)  
With two section rapid column.  
**Item # GIG220 .....219.95**

**Reporter Performance Monotripod** (G1222)  
With two section rapid column. Features a removable leg which can be used as a 4-section monopod extended to 63.8" (162cm) and closes to 21.3" (54cm).  
**Item # GIG1222 .....349.95**

**Reporter Industrial Performance Tripod** (G224)  
With two section rapid column.  
**Item # GIG224 .....229.95**

**Reporter Compact Performance Tripod** (G226)  
With two section rapid column.  
**Item # GIG226 .....239.95**

**Reporter Performance Tripod** (G212)  
With geared column.  
**Item # GIG212 .....297.95**

**Reporter Performance Tripod** (G218)  
With short geared column.  
**Item # GIG218 .....309.95**

**Reporter Performance Tripod** (G228)  
Lightweight. With geared column.  
**Item # GIG228 .....399.95**

**Mountaineer Performance Carbon Fiber Tripod** (G1227)  
With rapid center column. Carbon fiber is 30% lighter than equivalent aluminum tripods, yet maintains rigidity.  
**Item # GIG1227 .....499.95**

**Mountaineer Performance Carbon Fiber Tripod** (G1228)  
With rapid center column.  
**Item # GIG1228 .....509.95**



# GITZO

## TRIPODS

### SPECIFICATIONS SERIES 2 TRIPODS

MODEL #	G201	G220	G1222	G224	G226	G212	G218	G228	G1227	G1228
Load Capacity	13.3 lbs. (6kg)	13.3 lbs. (6kg)	13.3 lbs. (6kg)	13.3 lbs. (6kg)	13.3 lbs. (6kg)	13.3 lbs. (6kg)	13.3 lbs. (6kg)	13.3 lbs. (6kg)	13.5 lbs. (6.1kg)	13.5 lbs. (6.1kg)
Maximum Extension	57.5" (146cm)	58.3" (135cm)	73.1" (186cm)	73.8" (187cm)	58.5" (149cm)	69.5" (177cm)	63.8" (162cm)	64" (163cm)	63.3 lbs. (6.1kg)	60.9" (155cm)
Minimum Usable Height *	18.3" (48cm)	12.8" (34cm)	13.5" (34cm)	14.6" (37cm)	10.8" (27cm)	15" (38cm)	15" (38cm)	12" (30cm)	12.5" (32cm)	12.5" (32cm)
Leg Sections	3	3	4	3	4	3	3	3	3	3
Center Column Section	1	2	2	2	2	2	1	1	1	1
Folded Length	19.8" (50cm)	21.3" (54cm)	24" (61cm)	25" (64cm)	17.3" (44cm)	25.5" (65cm)	26" (66cm)	18.5" (47cm)	25.1" (63.9cm)	20.5" (52cm)
Weight	4 lbs. (1.8kg)	4.3 lbs. (2.2kg)	5.3 lbs. (2.4kg)	5 lbs. (2.3kg)	4.3 lbs. (2.2kg)	5.5 lbs. (2.5kg)	5.5 lbs. (2.5kg)	4.5 lbs. (2kg)	3 lbs. (1.4kg)	3 lbs. (1.4kg)

\* Minimum capacity height is with camera on top of tripod. By reversing center column, the tripod can be used even lower.

### SERIES 3 STUDEX/INTER PRO STUDEX PERFORMANCE

This series supports cameras up to 4x5", as well as heavier video cameras. The Inter Pro Series and Mountaineer 1348 and 1349

tripods have interchangeable center columns, some wing locks, additional leg spread of 80° and will hold heavier cameras.

**Studex Performance Tripod (G320)**  
With two section rapid column.  
**Item # GIG320.....284.95**

**Studex Compact Performance Tripod (G328)**  
With geared column.  
**Item # GIG328.....439.95**

**Inter Pro Studex Compact Performance (G345)**  
Without center column. Can be used with G315, G317, G336 and G338 center columns.  
**Item # GIG345.....324.95**

**Mountaineer Photo/Video Tripod (G1325)**  
With interchangeable flat plate.  
**Item # GIG1325.....629.95**

**Studex Performance Monotripod (G1322)**  
With 2-section rapid column. Features a removable leg. Can be used as a 4-section monopod extended to 62.3" (158cm) and closed down to 21.3" (54cm).  
**Item # GIG1322.....389.95**

**Inter Pro Studex Performance (G340)**  
Without center column. Can be used with G315, G317, G336 and G338 center columns.  
**Item # GIG340.....271.95**

**Inter Pro Studex Compact Performance (G346)**  
With one section rapid column #G317.  
**Item # GIG346.....389.95**

**Mountaineer Photo/Video Tripod (G1329)**  
With one section rapid column #G1318.  
**Item # GIG1329.....689.95**

**Studex Compact Performance Tripod (G326)**  
With two section rapid column.  
**Item # GIG326.....354.95**

**Inter Pro Studex Performance (G341)**  
With one section rapid column #G315.  
**Item # GIG341.....343.95**

**Inter Pro Studex Compact Performance (G347)**  
With geared column #G338.  
**Item # GIG347.....529.95**

**Mountaineer Photo/Video Tripod (G1348)**  
With interchangeable flat plate.  
**Item # GIG1348.....789.95**

**Studex Performance Tripod (G312)**  
With geared column.  
**Item # GIG312.....374.95**

**Inter Pro Studex Performance Tripod (G342)**  
With geared column #G336.  
**Item # GIG342.....476.95**

**Mountaineer Photo/Video Tripod (G1349)**  
With one section rapid column #G1318.  
**Item # GIG1349.....844.95**

### SPECIFICATIONS SERIES 3 TRIPODS

MODEL #	G320	G1322	G326	G312	G328	G340	G341	G342	G345	G346	G347	G1325	G1329	G1348	G1349
Load Capacity	19.8 lbs. (9kg)	19.8 lbs. (9kg)	19.8 lbs. (9kg)	19.8 lbs. (9kg)	19.8 lbs. (9kg)	22 lbs. (10kg)	22 lbs. (10kg)	22 lbs. (10kg)	22 lbs. (10kg)	22 lbs. (10kg)	22 lbs. (10kg)	26.5" (12kg)	26.5" (12kg)	26.5" (12kg)	26.5" (12kg)
Maximum Ext	73.5" (187cm)	72.3" (184cm)	71.3" (181cm)	69.9" (177cm)	66.9" (170cm)	60.5" (154cm)	75.8" (193cm)	74" (188cm)	57.8" (147cm)	72.3" (184cm)	71.1" (180cm)	59.9" (152cm)	77.75" (197cm)	65.8" (167cm)	78.8" (200cm)
Minimum Usable Height *	16.4" (42cm)	14.8" (37cm)	13.3" (34cm)	17.1" (43cm)	13.5" (34cm)	16.8" (43cm)	18.5" (47cm)	18.5" (47cm)	14.5" (37cm)	16.8" (43cm)	16.8" (43cm)	4" (10.2cm)	15.9" (40cm)	4" (10.2cm)	15.9" (40cm)
Leg Sections	3	4	4	3	4	3	3	3	4	4	4	3	3	4	4
Cntr Col Section	2	2	2	1	1	-	1	1	-	1	1	—	1	—	1
Folded Length	28" (71cm)	24.3" (62cm)	22.3" (57cm)	28.3" (72cm)	23.3" (59cm)	27.6" (70cm)	29.5" (75cm)	29.5" (75cm)	22.5" (57cm)	24.3" (62cm)	24.3" (62cm)	28" (71cm)	30" (76cm)	24" (61cm)	25.6" (65cm)
Weight	6.5 lbs. (3kg)	6.8 lbs. (3kg)	6 lbs. (2.7kg)	7.3 lbs. (3.3kg)	6.8 lbs. (3kg)	6 lbs. (2.7kg)	7 lbs. (3.2kg)	8.3 lbs. (3.7kg)	6 lbs. (2.7kg)	6.5 lbs. (3kg)	7.8 lbs. (3.5kg)	4.4 lbs. (2kg)	5.3 lbs. (2.4kg)	4.6 lbs. (2kg)	5.5 lbs. (2.5kg)

\* Minimum capacity height is with camera on top of tripod. By reversing center column, the tripod can be used even lower.



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770  
1 • 8 0 0 • 9 4 7 • 6 6 5 0

### SERIES 4

Series 4 tripods will support cameras up to 8x10", as well as heavier video cameras. They also feature interchangeable column capability.

**Pro Studex Performance** (G410)  
Without center column. Can be used with G524, G526, G526, G528 and G529 center columns.  
**Item # GIG410 .....314.95**

**Pro Studex Performance** (G411)  
With one section rapid column #G525.  
**Item # GIG411 .....389.95**

**Pro Studex Performance** (G412)  
With geared column #G526.  
**Item # GIG412 .....569.95**

**Pro Studex Compact Performance** (G415)  
Without center column. Can be used with G524, G525, G526, G527, G528 and G529 center columns.  
**Item # GIG415 .....314.95**

**Pro Studex Compact Performance** (G416)  
With one section rapid column #G527.  
**Item # GIG416 .....389.95**

**Pro Studex Compact Performance** (G417)  
With geared column #G528.  
**Item # GIG417 .....574.95**

### SERIES 5

This series tripods feature the largest diameter legs, are designed for heavy use and will accommodate cameras up to heavy 8x10" and TV cameras. They also feature interchangeable column capability.

**Tele Studex Performance** (G500)  
Without center column. Can be used with G524, G525, G526, G527, G528 and G529 center columns.  
**Item # GIG500 .....399.95**

**Tele Studex Performance** (G501)  
With one section rapid column #G525.  
**Item # GIG501 .....449.95**

**Tele Studex Performance** (G502)  
With geared center column #G526.  
**Item # GIG502 .....629.95**

**Tele Studex Giant Performance** (G504)  
Without center column. Can be used with G524, G525, G526, G527, G528 and G529 center columns.  
**Item # GIG504 .....509.95**

**Tele Studex Giant Performance** (G508)  
With 1 section rapid column #G525.  
**Item # GIG508 .....579.95**

**Tele Studex Giant Performance** (G509)  
With geared center column G526.  
**Item # GIG509 .....749.95**

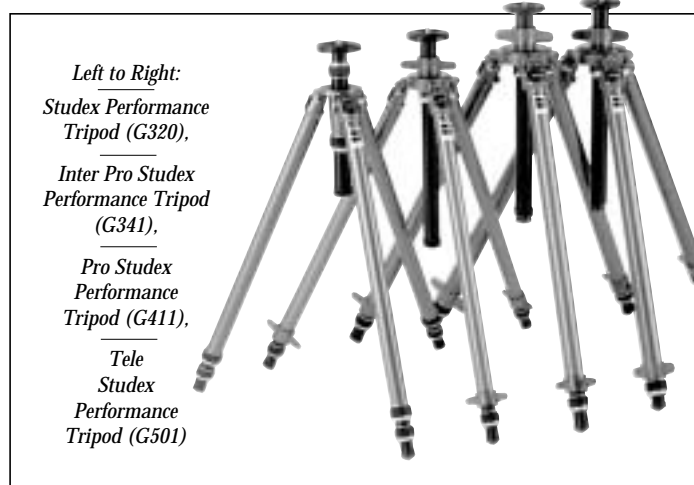
**Tele Studex Compact Performance** (G505)  
Without center column. Can be used with G524, G525, G526, G527, G528 and G519 center columns.  
**Item # GIG505 .....389.95**

**Tele Studex Compact Performance** (G506)  
With one section rapid column #G525.  
**Item # GIG506 .....459.95**

**Tele Studex Compact Performance** (G507)  
With geared center column #G526.  
**Item # GIG507 .....629.95**

**Tele Studex Industrial Performance** (G515)  
Without center column. Can be used with G524, G525, G526, G527, G528 and G529 center columns.  
**Item # GIG515 .....406.50**

**Mountaineer Photo/Video Tripod** (G1548)  
With flat plate. Can be used with G527 or G528 center columns. 30% lighter than equivalent aluminum tripods without compromising on strength.  
**Item # GIG1548 .....884.95**



### SPECIFICATIONS SERIES 4 TRIPODS

MODEL #	G410	G411	G412	G415	G416	G417
Load Capacity	26 lbs. (12kg)	22 lbs. (10kg)	26 lbs. (12kg)	26 lbs. (10kg)	22 lbs. (10kg)	26 lbs. (12kg)
Maximum Extension	64.1" (163cm)	78.5" (199cm)	75.8" (193cm)	45.5" (116cm)	59.8" (152cm)	57.3" (145cm)
Minimum Usable Height *	6.3" (16cm)	8.5" (22cm)	8.5" (22cm)	5.3" (13cm)	7" (18cm)	7" (18cm)
Leg Sections	3	3	3	4	4	4
Center Column Section	-	1	1	-	1	1
Folded Length	29.5" (75cm)	31.3" (79cm)	31.3" (79cm)	19.3" (49cm)	21" (53cm)	21" (53cm)
Weight	8.5 lbs. (3.9kg)	9.8 lbs. (4.4kg)	11.5 lbs. (5.2kg)	6.8 lbs. (3kg)	8 lbs. (3.6kg)	9.8 lbs. (4.4kg)

\* Minimum capacity height is below normal use with camera on top of tripod. By reversing center column, the tripod can be used even lower.

### SPECIFICATIONS SERIES 5 TRIPODS

MODEL #	G500	G501	G502	G504	G508	G509	G505	G506	G507	G515	G1548
Load Capacity	33 lbs. (15kg)	22 lbs. (10kg)	33 lbs. (15kg)	33 lbs. (15kg)	22 lbs. (10kg)	33 lbs. (15kg)	33 lbs. (15kg)	22 lbs. (10kg)	33 lbs. (15kg)	44 lbs. (20kg)	40 lbs. (18kg)
Maximum Ext	63.3" (160cm)	76.5" (194cm)	74" (188cm)	98" (249cm)	111.3" (283cm)	108.8" (276cm)	58.4" (148cm)	71.8" (182cm)	69.1" (176cm)	47.8" (121cm)	58.3" (148cm)
Minimum Usable Height *	6.5" (17cm)	8.8" (22cm)	8.8" (22cm)	6.3" (16cm)	8.8" (22cm)	8.8" (22cm)	6.5" (17cm)	8.8" (22cm)	8.8" (22cm)	7.3" (18cm)	15" (38cm)
Leg Sections	3	3	3	5	5	5	4	4	4	2	4
Cntr Col Section	-	1	1	-	1	1	-	1	1	-	-
Folded Length	28.5" (72cm)	30.8" (78cm)	30.8" (78cm)	31.5" (80cm)	33.8" (86cm)	33.8" (86cm)	23.3" (59cm)	25.5" (65cm)	25.5" (65cm)	32.5" (83cm)	23.3" (59cm)
Weight	9.8 lbs. (4.4kg)	10.8 lbs. (4.9kg)	12.5 lbs. (5.7kg)	12.3 lbs. (5.6kg)	13.3 lbs. (6kg)	15.3 lbs. (6.9kg)	9 lbs. (4kg)	10.3 lbs. (4.6kg)	12 lbs. (5.4kg)	8.5 lbs. (3.9kg)	6.4 lbs. (2.9kg)

\* Minimum capacity height is below normal use with camera on top of tripod. By reversing center column, the tripod can be used even lower.

### 3-Way Pan and Tilt Heads

3-Way Heads are designed to carry a specific load. Large ergonomically designed hand-grips ensure effortless vertical and lateral tilting and 360° panning. Low profile heads provide solid support and flexibility for large format and video cameras. The distance from the top of the tripod to the platform is reduced to ensure that the center of gravity of the camera is kept over the middle of the tripod to avoid the possibility of overbalancing. All heads are supplied with 1/4"-20" camera mounting screws.

#### Rationelle 3-Way Pan Tilt Head (G1171)

Platform size 1.6 x 2.1" (4.1 x 5.4cm).

Item # GIG1171 .....117.95

#### Rationelle 3-Way Pan Tilt Head (G1172)

Recommended for use with Series 0 and 1 tripods. Platform size 1.5 x 2" (4.1 x 5cm).

Item # GIG1172 .....134.95

#### Rationelle 3-Way Pan Tilt Head (G1371)

Recommended for use with Series 2 and 3 tripods. Platform size 2.8 x 2" (7 x 5cm).

Item # GIG1371 .....139.95

#### Rationelle 3-Way Pan Tilt Head (G1372)

With quick release plate. Recommended for use with Series 2 and 3 tripods. Platform size 2 x 2" (5 x 5cm).

Item # GIG1372 .....153.95



#### Rationelle 3-Way Pan Tilt Head (G1571)

Recommended for use with Series 4 and 5 tripods. Platform size is 3.8 x 2.8" (9 x 7cm).

Item # GIG1571 .....184.95

#### Rationelle 3-Way Pan Tilt Head (G1572)

With quick release plate. Recommended for use with Series 4 and 5 tripods. Platform size is 2 x 2" (5 x 5cm).

Item # GIG1572 .....226.95

#### Rationelle Low Profile 3-Way Pan Tilt Head (G1270)

Recommended for use with Series 1 and 2 tripods. Platform size 4.8 x 2.8" (12 x 7cm).

Item # GIG1270 .....104.95

#### Rationelle Low Profile 3-Way Pan Tilt Head (G1370)

Recommended for use with Series 3 tripods. Platform size is 4.8 x 2.8" (12 x 7cm).

Item # GIG1370 .....159.95

#### Rationelle Low Profile 3-Way Pan Tilt Head (G1570)

With 1/4"-20" and 3/8" camera mounting screws. Recommended for use with Series 4 and 5 tripods. Platform size 6 x 3.4" (15.2 x 8.6cm).

Item # GIG1570 .....199.95

### 3-Way Pan and Tilt Heads, *continued*

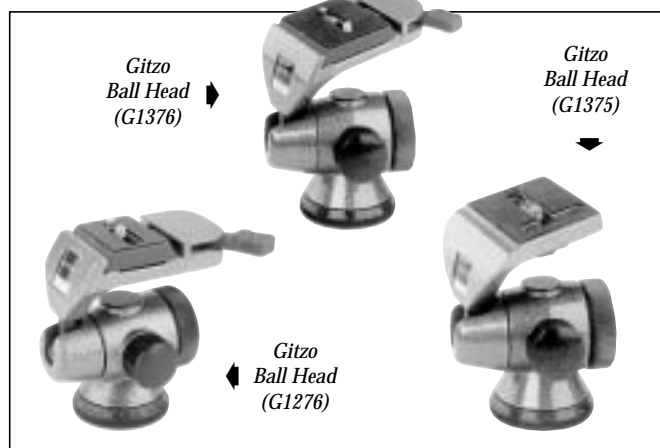
#### 3-WAY PAN HEAD SPECIFICATIONS

MODEL #	G1171	G1172	G1371	G1372	G1571	G1572	G1270	G1370	G1570
Load Capacity	5.5 lbs. (2.5kg)	5.5 lbs. (2.5kg)	13 lbs. (5.9kg)	13 lbs. (5.9kg)	17.6 lbs. (8kg)	17.6 lbs. (8kg)	10 lbs. (4.5kg)	13.3 lbs. (6kg)	22 lbs.. (10kg)
Height	5.7" (14.6cm)	5.7" (14.6cm)	7" (17.8cm)	7" (17.8cm)	7.75" (19.7cm)	7.75" (19.7cm)	3.3" (8.3cm)	3.5" (9cm)	3.6" (9.2cm)
Weight	1.7 lbs. (795g)	1.7 lbs. (795g)	3.3 lbs. (1.47kg)	3.3 lbs. (1.47kg)	3.8 lbs. (1.7kg)	3.9 lbs. (1.75kg)	1.5 lbs. (680g)	2.4 lbs. (1.07kg)	3.5 lbs. (1.59kg)

*Subject to change without notice*

### Ball Heads

Exceptionally smooth rotation, positive locking and rapid camera mounting are all features common to the Gitzo designed range of ball heads. The graduated base, with independent locking facilities permits perfect panoramic photography. The design of the panoramic base permits the ball heads to be used for table top or near ground level work with or without the use of a tripod. A quick release plate with secondary safety lock and the option of a long plate provide additional flexibility on Model #G1276, G1376 and G1576; the camera can be removed from the head within seconds and fitted back on the head as easily. All heads are supplied with 1/4-10" camera mounting screw.



#### Ball Head (G075)

Recommended for use with Series 00 and 0 tripods. Platform size 1.4" (3.5cm) diameter.

**Item # GIG075 .....54.95**

#### Ball Head (G1175)

Recommended for use with Series 0 and 1 tripods. Platform size 1.75" (4.5cm) diameter.

**Item # GIG1175 .....89.95**

#### Ball Head (G1275)

Recommended for use with Series 1 and 2 tripods. Platform size 1.7 x 2.5" (4.5 x 6.4cm).

**Item # GIG1275 .....109.95**

#### Magnesium Ball Head (G1275M)

Same as above with a light-weight material.

**Item # GIG1275M.....124.95**

#### Ball Head (G1276)

With quick release plate. Recommended for use with Series 1 and 2 tripods. Platform size 2 x 1.5" (5 x 3.8cm).

**Item # GIG1276 .....139.95**

#### Ball Head (G1375)

Recommended for use with Series 2 and 3 tripods. Platform size 2.4 x 2.7" (6 x 7cm).

**Item # GIG1375 .....149.95**

#### Ball Head (G1575)

Recommended for use with Series 4 and 5 tripods. Platform size 2.3 x 2.3" (5.7 x 5.7cm).

**Item # GIG1575 .....199.95**

#### Ball Head (G1576)

With quick release plate. Recommended for use with Series 4 and 5 tripods.

**Item # GIG1576 .....219.95**

#### Ball Head (G1376)

With quick release plate. Recommended for use with Series 2 and 3 tripods. Platform size 2.3x2.3" (5.7x5.7cm).

**Item # GIG1376 .....186.95**

#### BALL HEAD SPECIFICATIONS

MODEL #	G075	G1175	G1275	G1275M	G1276	G1375	G1376	G1575	G1576
Load Capacity	3.3 lbs. (1.5kg)	6.5 lbs. (3kg)	11 lbs. (5kg)	11 lbs. (5kg)	11 lbs. (5kg) (5kg)	13.3 lbs. (6kg)	13.3 lbs. (6kg)	22 lbs. (10kg)	22 lbs. (10kg)
Height	2" (5cm)	2.7" (7cm)	4.5" (11cm)	4.5" (11cm)	4.5" (11cm)	5.3" (13cm)	5.5" (14cm)	6" (15cm)	6" (15cm)
Weight	.3 lbs. (100g)	.5 lbs. (225g)	1 lb. (450g)	1.25 lbs. (560g)	1.8 lbs. (816g)	2.4 lbs. (1kg)	2.6 lbs. (1.2kg)	3 lbs. (1.4 kg)	3.5 lbs. (1.6kg)

*Subject to change without notice*

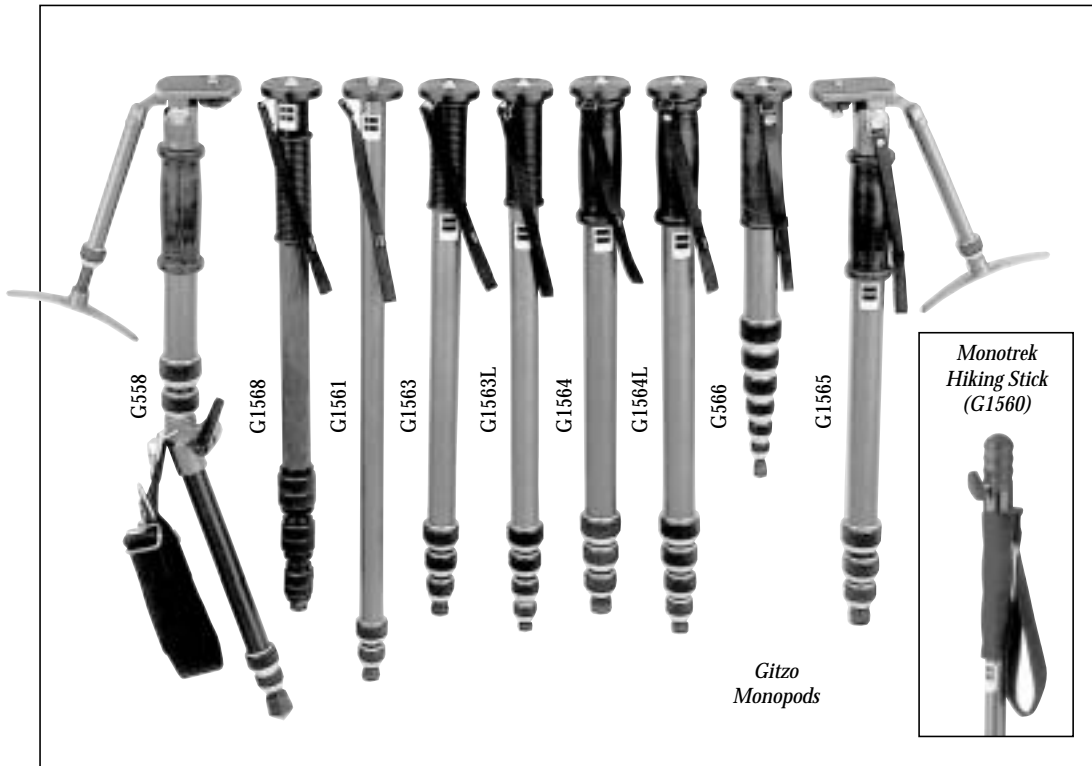
**Overnight Shipping Available**

# GITZO

## MONOPODS

### Monopods

All monopods include a reversible  $\frac{1}{4}$ " and  $\frac{3}{8}$ " mounting stud and a hand carrying strap.



#### Gitzo Pod

##### 5-Section Monopod (G558)

With adjustable shoulder brace, deluxe hand grip, and neck harness, it is a combination of a monopod, chestpod, emergency tripod and table pod. Folds like a jack knife, making it usable as a chest pod in conjunction with the neck harness.

**Item # GIG558.....224.95**

##### Mountaineer Reporter 4-Section Carbon Fiber Monopod (G1568)

An ideal choice for backpackers, the Mountaineer is a carbon fiber monopod that combines the advantages of exceptional light weight with strength and rigidity. It is 30% lighter than equivalent aluminum monopods, yet maintains its robustness, making it the choice for serious amateurs and busy professionals on the move.

**Item # GIG1568.....182.95**

##### Monotrek Hiking Stick (G1560)

An ergonomically designed lightweight monopod/walking stick. Manufactured with ultra-light strength aluminum alloy. It comes with a built-in ball head for photo or video, and has a load capacity of up to 4½ lbs. It includes a detachable all-weather shoe that slides into the Monotrek.

**Item # GIG1560.....94.95**

##### Sport 3-Section Monopod (G1561)

**Item # GIG1561.....74.95**

##### Reporter 4-Section Monopod (G1563)

**Item # GIG1563.....91.95**

##### Reporter Extra Long 4-Section Monopod (G1563L)

**Item # GIG1563L.....104.95**

##### Studex 4-Section Monopod (G1564)

**Item # GIG1564.....99.95**

##### Studex Extra Long 5-Section Monopod (G1564L)

With deluxe rubber hand grip.

**Item # GIG1564L.....107.95**

##### Studex 4-Section Monopod (G1565)

With adjustable shoulder brace.

**Item # GIG1565.....159.95**

##### Mini Studex 6-Section Monopod (G566)

With deluxe rubber hand grip.

**Item # GIG566.....102.95**

### MONOPOD SPECIFICATIONS

MODEL #	G1561	G1563	G1563L	G1564	G1564L	G1565	G566	G558	G1568	G1560
Sections	4	4	5	4	5	4	6	5	4	3
Load Capacity	6.8 lbs. (3kg)	8.7 lbs. (4kg)	8.7 lbs. (4kg)	17.5 lbs. (8kg)	17.5 lbs. (8kg)	17.5 lbs. (8kg)	11 lbs. (5kg)	11 lbs. (5kg)	8.7 lbs. (4kg)	4.5 lbs. (2kg)
Height Range	24.8-61.1" (63-155cm)	21.3-64" (54-163cm)	22.4-80.3" (57-204cm)	21.6-62.5" (55-159cm)	22.4-78.5" (57-199cm)	21.8-62.7" (55-159cm)	14.5-53.3" (37-135cm)	26.5-60.3" (67-153cm)	21.6-65.4" (55-166cm)	30.8-63.8" (78-162cm)
Weight	1.3 lbs. (567g)	1.5 lbs. (680g)	1.5 lbs. (680g)	1.7 lbs. (794g)	2 lbs. (907kg)	2 lbs. (907kg)	1.5 lbs. (680g)	2.3 lbs. (1kg)	1 lb. (450g)	14 oz. (395g)

Subject to change without notice



### Center Columns

Tripods in the series 00 to 3 come complete with Rapid (Sliding) or Geared center columns. The Inter Pro Studex, Pro Studex and Tele Studex ranges have interchangeable columns available as Rapid (Sliding) single lift reversible or double lift for extra height, or geared for superfine control. Very short columns are also available for very low angle work.

#### EXTRA LOW CENTER COLUMNS

**Extra Low Column (G035C)**  
Fits Series 0 (Weekend) tripods. Measures 3.5" (8.9cm).  
**Item # GIG035.....26.50**

**Extra Low Column (G135C)**  
Fits Series 1 (Sport) tripods. Measures 5" (12.7cm).  
**Item # GIG135C.....27.95**

**Extra Low Column (G235C)**  
Fits Series 2 (Reporter & Mountaineer) tripods. Measures 5.5" (14cm).  
**Item # GIG235C.....29.95**

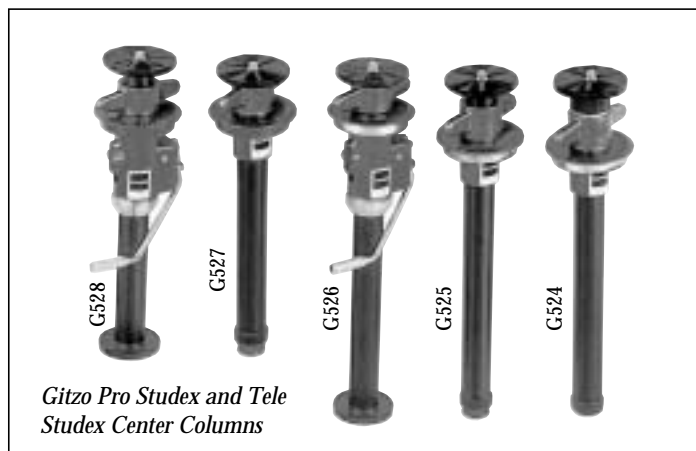
**Extra Low Column (G1238)**  
Fits Mountaineer #G1228.  
**Item # GIG1238.....49.95**

**Extra Low Column (G335C)**  
Fits the G320, G322, G326, G341, and G346 Series 3 tripods. The extra low column can also be used with the G340 and G345 tripods if a rapid column is purchased. Measures 5.5" (14cm).  
**Item # GIG335C.....31.95**

**Locking Collar (D315-101)**  
To be used with extra low column G335C.  
**Item # GID315101.....74.50**

**Extra Low Column (G435)**  
Fits the G411 and G416 Series 4 tripods. The extra low column can also be used with the G410 and G415 tripods if a rapid column is purchased. Measures 5.5" (14cm).  
**Item # GIG435.....36.95**

**Locking Collar (D525-101)**  
To be used with extra low column G435.  
**Item # GID525101.....89.95**



#### PRO STUDEX AND TELE STUDEX CENTER COLUMNS

**Standard Rapid Column (G525)**  
Extends to 13.3" (34cm).  
**Item # GIG525.....89.95**

**Standard Geared Column (G526)**  
Extends to 10.7" (27cm).  
**Item # GIG526.....276.95**

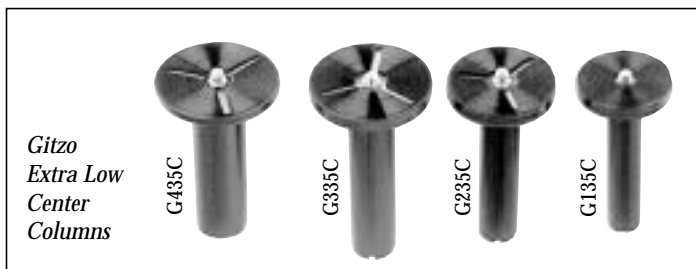
**Standard Double Rapid Column (G524)**  
Extends to 28" (71cm).  
**Item # GIG524.....109.50**

**Compact Geared Column (G528)**  
Extends to 7.5" (19cm).  
**Item # GIG528.....274.50**

**Compact Rapid Column (G527)**  
Extends to 10.3" (26cm).  
**Item # GIG527.....89.95**

**Long Geared Column (G529)**  
Extends to 24.4" (62cm).  
**Item # GIG529.....434.95**

*For more Center Columns see Levelling Bases, which can be used as center columns.*



#### STUDEX INTERPRO CENTER COLUMNS

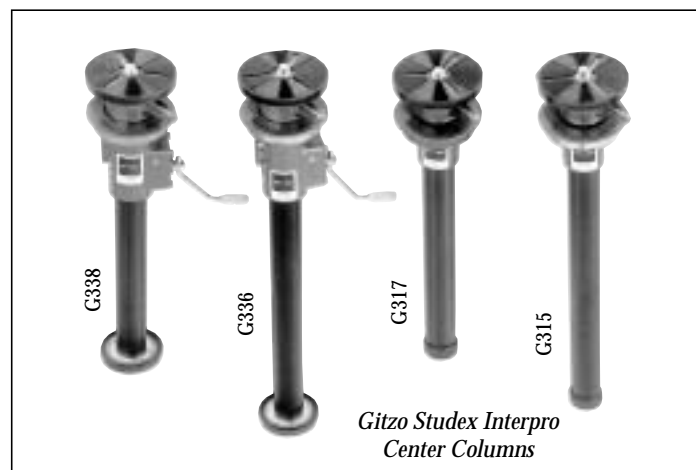
**Standard Rapid Column (G315)**  
Extends to 13.1" (33cm).  
**Item # GIG315.....89.95**

**Standard Geared Column (G336)**  
Extends to 12.3" (31cm).  
**Item # GIG336.....224.50**

**Compact Rapid Column (G317)**  
Extends to 10.3" (26cm).  
**Item # GIG317.....89.95**

**Compact Geared Column (G338)**  
Extends to 8.7" (22cm).  
**Item # GIG338.....224.50**

**Carbon Fiber Column (G1318)**  
Converts Mountaineer G1348 to a G1349.  
**Item # GIG1318.....104.95**



## ACCESSORIES AND BAGS

### Levelling Bases

Levelling bases have a 15° adjustment and have a built-in spirit level. Positioning is locked with a toggle lever. They are used with the center columns removed.

**Levelling Base (G321)**  
Fits Interpro tripods.  
Maximum load is 22 lbs. (10kg).  
**Item # GIG321 .....168.95**

**Levelling Base (G421)**  
Fits Series 4 and 5 Pro Studex and Tele Studex tripods.  
Maximum load is 44 lbs. (20kg).  
**Item # GIG421 .....168.95**

**Levelling Base (G421CR)**  
Same as above, with geared column. Maximum load is 33 lbs. (15kg).  
**Item # GIG421CR .....404.95**

**Levelling Base (G421RA)**  
Same as above, with rapid column. Maximum load is 33 lbs. (15kg).  
**Item # GIG421RA .....216.50**

### Lateral Arms

Lateral arms enable cameras to be positioned above or below the tripod in a 90° position, which might otherwise be obstructed by the tripod legs. They are available in rapid and geared versions and include a reversible ¼ and ⅜" mounting stud.

**Sliding Lateral Arm (G530)**  
Recommended for Series 1 tripods. Measures 11.3" (29cm).  
**Item # GIG530 .....57.50**

**Geared Lateral Arm (G531)**  
Recommended for Series 1 tripods. Measures 10.1" (26cm).  
**Item # GIG531 .....229.50**

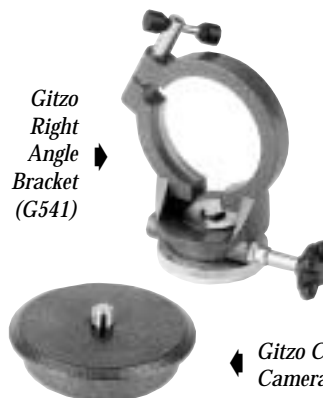
**Sliding Lateral Arm (G532)**  
Recommended for Series 2 tripods. Measures 13" (33cm).  
**Item # GIG532 .....98.95**

**Geared Lateral Arm (G533)**  
Recommended for Series 2 tripods. Measures 13" (33cm).  
**Item # GIG533 .....281.95**

**Sliding Lateral Arm (G534)**  
Recommended for Series 3 tripods. Measures 13.5" (34cm).  
**Item # GIG534 .....113.50**

**Geared Lateral Arm (G535)**  
Recommended for Series 3 tripods. Measures 12.7" (32cm).  
**Item # GIG535 .....326.95**

**Right Angle Bracket (G540)**  
Converts Series 4 and 5 center columns into lateral arms. Requires #G349 or #G449 platform.  
**Item # GIG540 .....39.95**



**Right Angle Bracket (G541)**  
With movable graduated base to allow panning. Requires a Circular Camera Platform G349 or G449.  
**Item # GIG541 .....133.50**

**Circular Camera Platform (G349)**  
For Interpro Series 3 tripods. The circular camera platform can be used flat as is, (note: center column must be removed) or with either the #G540 or #G541 right angle bracket.  
**Item # GIG349 .....19.95**

**Circular Camera Platform (G449)**  
Same as the Circular Camera Platform (G349), for Series 4 and 5 tripods.  
**Item # GIG449 .....19.95**

### Tripod Bags

The durable, showerproof Gitzo padded and standard tripod bags have been designed to carry all sizes of tripods and heads. And they have been built to last. Practical and stylish, the bags all have zip fasteners for quick and easy access.

**Tripod Bag for Series 0 (GE0)**  
Length 21.5" (55cm).  
**Item # GIGE0 .....49.95**

**Tripod Bag for Series 1 (GE1)**  
Length 27.5" (70cm).  
**Item # GIGE1 .....52.95**

**Tripod Bag for Series 2 (GE2)**  
Length 33" (84cm).  
**Item # GIGE2 .....59.50**

**Tripod Bag for Series 3 (GE3)**  
Length 37" (94cm).  
**Item # GIGE3 .....67.50**

**Tripod Bag for Series 4 (GE4)**  
Length 38.5" (98cm).  
**Item # GIGE4 .....73.50**



**Tripod Bag for Series 5 (GE5)**  
Length 42" (107cm).  
**Item # GIGE5 .....86.50**

**Padded Tripod Bag for Series 1 (GE1P)**  
Length 27.5" (70cm).  
**Item # GIGE1P .....86.95**

**Padded Tripod Bag for Series 2 (GE2P)**  
Length 33" (84cm).  
**Item # GIGE2P .....89.95**

**Padded Tripod Bag for Series 3 (GE3P)**  
Length 37" (94cm).  
**Item # GIGE3P .....107.95**

**Padded Tripod Bag or Series 4 (GE4P)**  
Length 38.3" (97cm).  
**Item # GIGE4P .....127.50**

**Padded Tripod Bag for Series 5 (GE5P)**  
Length 42" (107cm).  
**Item # GIGE5P .....146.95**

### Tripod Dollies/Spreader

Gitzo tripod dollies are foldable and feature individual locking wheels.

Dolly with 3" Wheel (G391)  
Item # **GIG391** .....**301.95**

Dolly with 5" Wheel (G392)  
Item # **GIG392** .....**397.50**

Universal Tripod Spreader (G1393)  
Item # **GIG1393** .....**43.95**



Gitzo  
Dolly with  
5" Wheel  
(G392)

### Adapters, Platforms, Brackets

100mm Bowl Adapter (G1423)  
A half shaped bowl which  
mounts onto Series 3, 4 and 5  
tripods.  
Item # **GIG1423** .....**48.50**

75mm Bowl  
Interface Adapter (G1422)  
Item # **GIG1422** .....**44.95**

100mm Bowl  
Interface Adapter (G1424)  
Item # **GIG1424** .....**62.95**

Double Camera Platform (G1584)  
Measures 11" (28cm).  
Item # **GIG1584** .....**65.95**

Double Camera Platform (G1539)  
Measures 17" (43cm).  
Item # **GIG1539** .....**98.95**

Offset Bracket (G583)  
Used with cameras with hand  
grip, polaroid backs or large  
lenses to offset the center.  
Item # **GIG583** .....**49.95**



Double Camera Platform (G1584)

### Misc. Tripod Accessories



Tripod Apron Small (G088S)  
Made of canvas material. Holds  
lenses, film, filters, etc. Fits  
Series 0, 1 and 2 tripod legs.  
Item # **GIG088S** .....**58.50**

Tripod Apron Large (G088L)  
Same as above. Fits Series 3, 4  
and 5 tripod legs.  
Item # **GIG088L** .....**62.50**

All Weather Shoes (G1586)  
Provides stability in snow,  
mud, sand, etc. Set of 3.  
Item # **GIG1586** .....**16.95**

Tripod Carrying Strap Black (G087B)  
Single size adjustable no-slip  
padded strap. Fits all tripods.  
44" (115cm) long.  
Item # **GIG087B** .....**23.50**



Tripod Carrying Strap  
Green (G087G)  
Same as above, in Camouflage  
Green.  
Item # **GIG087G** .....**23.50**

Monitor Platform (G065)  
A 13x15.7" (33x40cm) plat-  
form which can be fitted to any  
Gitzo tripod. Safely supports  
supplementary equipment,  
such as monitors, mixers, tape  
recorders and projectors.  
Item # **GIG065** .....**68.50**

### Tripod Legs Protectors

Protectors safeguards legs from  
damage and add comfort when  
carrying tripods on shoulder.  
They provide thermal protection  
during freezing weather to shield  
hands from frostbite. All protec-  
tors are sold in sets of three.

Tripod Leg Protectors (G090-10B)  
Black material. Fits Report  
series tripods.  
Item # **GIG09010B** .....**28.95**



Gitzo  
Tripod  
Leg  
Protector  
(G090-10B)

Tripod Leg Protectors (G09110G)  
Same as above, in Camouflage Green.  
Item # **GIG09110G** .....**28.95**

Tripod Leg Protectors (G09014B)  
Black material. Fits Interpro  
series tripods.  
Item # **GIG09014B** .....**28.95**

Tripod Leg Protectors (G091-14G)  
Same as above, in Camouflage Green.  
Item # **GIG09114G** .....**28.95**

Tripod Leg Protectors (G090-12B)  
Black material. Fits Pro Studex  
series tripods.  
Item # **GIG09012B** .....**28.95**

Tripod Leg Protectors (G091-12G)  
Same as above, in Camouflage Green.  
Item # **GIG09112G** .....**28.95**

### Camera Screwing Mounts

1/4" Replacement  
Mounting Screw (D055-25)  
For G055 head.  
Item # **GID05525** .....**16.95**

1/4" Replacement  
Locking Wheel (D055-27)  
For G055 head.  
Item # **GID05527** .....**8.95**

3/8" Mounting Screw (D172-37)  
For G170, G172, G272, G372,  
G472, G275, G375, and G376.  
Item # **GID17237** .....**5.95**

1/4" Replacement  
Mounting Screw (D172-38)  
For G170, G172, G272, G372,  
G472, G275, G375 and G376.  
Item # **GID17238** .....**5.95**

3/8" Replacement  
Locking Wheel (D172-39)  
For G170, G172, G272, G372,  
G472, G275, G375 and G376.  
Item # **GID17239** .....**5.95**

1/4" Replacement  
Mounting Screw (D050-25)  
For G270, G370, G470, G570 and G475.  
Item # **GID05025** .....**5.95**

3/8" Mounting Screw (D050-26)  
For G270, G370, G470, G570 and G475.  
Item # **GID05026** .....**5.95**

3/8" Replacement  
Locking Wheel (D150-27)  
For G270, G370, G470, G570 and G475.  
Item # **GID15027** .....**5.95**

Replacement Collar Wrench (D340-52)  
For Inter Pro, Pro and  
Tele-Studex Tripods.  
Item # **GID34052** .....**5.95**

### Brass Bushings

Brass Bushing 4.5mm (G1140)  
1/4-20" to 3/8".  
Item # **GIG1140** .....**3.50**

Brass Bushing 7.5mm (G1141)  
1/4-20" to 3/8".  
Item # **GIG1141** .....**3.50**

Brass Bushing 8.6mm (G1142)  
1/4-20" to 3/8".  
Item # **GIG1142** .....**3.50**

Brass Bushing 10mm (G1143)  
1/4-20" to 3/8".  
Item # **GIG1143** .....**3.50**

10mm Bushing (G1145)  
For microphone adapter 3/8" to 3/8".  
Item # **GIG1145** .....**6.50**

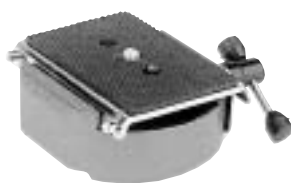


## QUICK RELEASE, PLATES AND FISHPOLES

### Quick Release Adapters and Plates

Quick Release Adapters are designed to be used with tripods or tripod heads which do not have the Quick Release feature.

**Quick Release** (G385-14)  
With 3x1.7" (7.6x4.4cm)  
#G387-14 mounting plate and  
1/4-20" camera mounting screw.  
**Item # GIG38514 .....74.95**



Quick Release (G385-38)

**Quick Release** (G385-38)  
Same as above, with 3/8" camera  
mounting screw.  
**Item # GIG38538 .....74.95**

**Quick Release** (G386-14)  
With 6x1.7" (15.2x4.4cm)  
#G388-14 mounting plate and  
1/4-20" camera mounting screws.  
**Item # GIG38614 .....79.95**

**Quick Release** (G386-38)  
Same as above, with two 3/8"  
camera mounting screws.  
**Item # GIG38638 .....79.95**

**Mounting Plate** (G387-14)  
Replacement for #G385-14,  
with 1/4-20" screw.  
**Item # GIG38714 .....27.95**

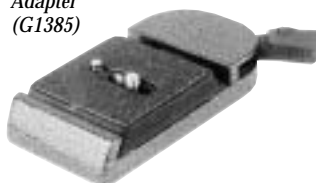
**Mounting Plate** (G387-38)  
Replacement for #G385-38,  
with 3/8" screw.  
**Item # GIG38738 .....27.95**

**Mounting Plate** (G388-14)  
Replacement for #G386-14.  
With 1/4-20" screw.  
**Item # GIG38814 .....34.50**

**Mounting Plate** (G388-38)  
Replacement for #G386-38.  
With 3/8" screw.  
**Item # GIG38838 .....34.50**

**Quick Release Adapter** (G1285)  
With 2x1.8" (5x4.6cm) G1173-  
14 mounting plate and 1/4-20"  
camera mounting screw.  
**Item # GIG1285 .....76.95**

Quick Release  
Adapter  
(G1385)



**Quick Release Adapter** (G1385)  
With 2.7 x 2.4" (6.7 x 6cm)  
G1373-14 mounting plate and  
1/4-20" camera mounting screw.  
**Item # GIG1385 .....97.50**

**Mounting Plate** (G1173-14)  
Replacement for G1285, G1276  
and G1172. 1/4-20" screw.  
**Item # GIG117314 .....25.95**

**Mounting Plate** (G1173-38)  
2x1.8" (5x4.6cm) with 3/8" screw.  
Fits G1285, G1276 and G1172.  
**Item # GIG117338 .....25.95**

**Mounting Plate** (G1373-14)  
Replacement for G1385, G1372  
and G1576. 1/4-20" screw.  
**Item # GIG137314 .....25.95**

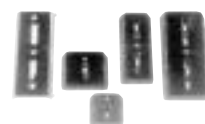
**Mounting Plate** (G1373-38)  
2.7 x 2.4" (6.7 x 6cm), with 3/8"  
screw. Fits G1285, G1276 and  
G1172.  
**Item # GIG137338 .....25.95**

**Long Mounting Plate** (G1174-14)  
4.7 x 1.8" (12 x 4.6cm), with  
two 1/4-20" screws. Fits G1285,  
G1276 and G1172.  
**Item # GIG117414 .....29.50**

**Long Mounting Plate** (G1174-38)  
Same as above, with two 3/8" screws.  
**Item # GIG117438 .....32.95**

**Long Mounting Plate** (G1374-14)  
5.9 x 2.4" (15 x 6cm), with two  
1/4-20" screws. Fits G1285,  
G1276 and G1172.  
**Item # GIG137414 .....32.95**

**Long Mounting Plate** (G1374-38)  
Same as above, with two 3/8" screws.  
**Item # GIG137438 .....32.95**



Assorted  
Gitzo  
mounting  
plates

### Fish Poles

Fishpoles acquired their name because of their resemblance to fishpoles. They are used to mount cameras, lights or microphones and to direct them into tight or crowded spots. All fishpoles feature rubber hand grips and come with 1/4-20" and 3/8" reversible mounting screws. They support up to 5 lbs. (2.26kg) of weight.

**Loisir**  
**2-Section Fishpole** (G555)  
**Item # GIG555 .....76.95**

**Weekend**  
**3-Section Fishpole** (G556)  
**Item # GIG556 .....82.50**

**Sport 4-Section Fishpole** (G557)  
**Item # GIG557 .....108.95**

**Studex 6-Section Fishpole** (G7680)  
**Item # GIG7680 .....162.95**



Microphone  
Shock Mount  
(G11510)

**Microphone Shock Mount** (G11510)  
Adjustable microphone stock mount. It fits all fishpoles with a 3/8"  
mounting screw. The shock mount will accommodate .75 x 1.5"  
(1.9 x 3.8cm) microphones.  
**Item # GIG11510 .....99.95**

### FISHPOLES SPECIFICATIONS

MODEL #	G555	G556	G557	G7680
Sections	2	3	4	6
Extends to	55" (140cm)	79" (200cm)	103.7" (263cm)	150" (381cm)
Folds to	30.3" (77cm)	31.7" (81cm)	30.7" (78cm)	31" (79cm)
Weight	14 oz. (392g)	1 lb. (450g)	1.7 lbs. (794g)	3 lbs. (1360g)

Subject to change without notice

*Linhof offers a complete line of compact lightweight, heavy duty professional tripods, tripod heads and accessories for photographic, video-graphic or audio visual needs. Linhof professional tripods are made to the same exacting quality standards and materials as Linhof cameras. They are respected by demanding photographers the world over, for their outstanding quality, superior design, immaculate finish, maximum stability and freedom from vibration. Oversized control*

*and locking levers are just some of the distinguishing features of Linhof tripods. Modern lightweight construction techniques and the use of only the finest materials, combined with hard anodizing of all tripod legs and columns, assure absolutely corrosion-proof surfaces and a long service life. Linhof professional tripods are made in different types and sizes and a wide variety of matching tripod heads, dollies and special accessories are available for all models.*

### Tripod Legs

#### Lightweight Pro 2-Section Tripod (003319)

With 003753 dual threaded 77mm top plate. Comes with removable 1/4-20" and 3/8" 77mm top plate, rapid clamp locks, a 35mm diameter sliding center column and built-in spirit level.

Item # **LITLWP2S** .....**289.95**

#### Lightweight Pro 2-Section Pneumatic Tripod (003320)

With 003753 dual threaded 77mm top plate. Same as above, with pneumatically damped center post for smooth height adjustment of equipment.

Item # **LITLWPAC** .....**369.95**

#### Profi-Port 3-Section Tripod (003449)

With 003845 dual threaded 42mm top plate. The Profi-Port is an extremely compact and portable tripod. A sliding 2-section 35mm diameter center post extends to full working heights. One of the legs has a tripod thread for close-up photography at ground level. Rapid clamp locks, built-in spirit level, removable 1/4-20" and a 3/8" top plate make this tripod perfect for the traveling photographer.

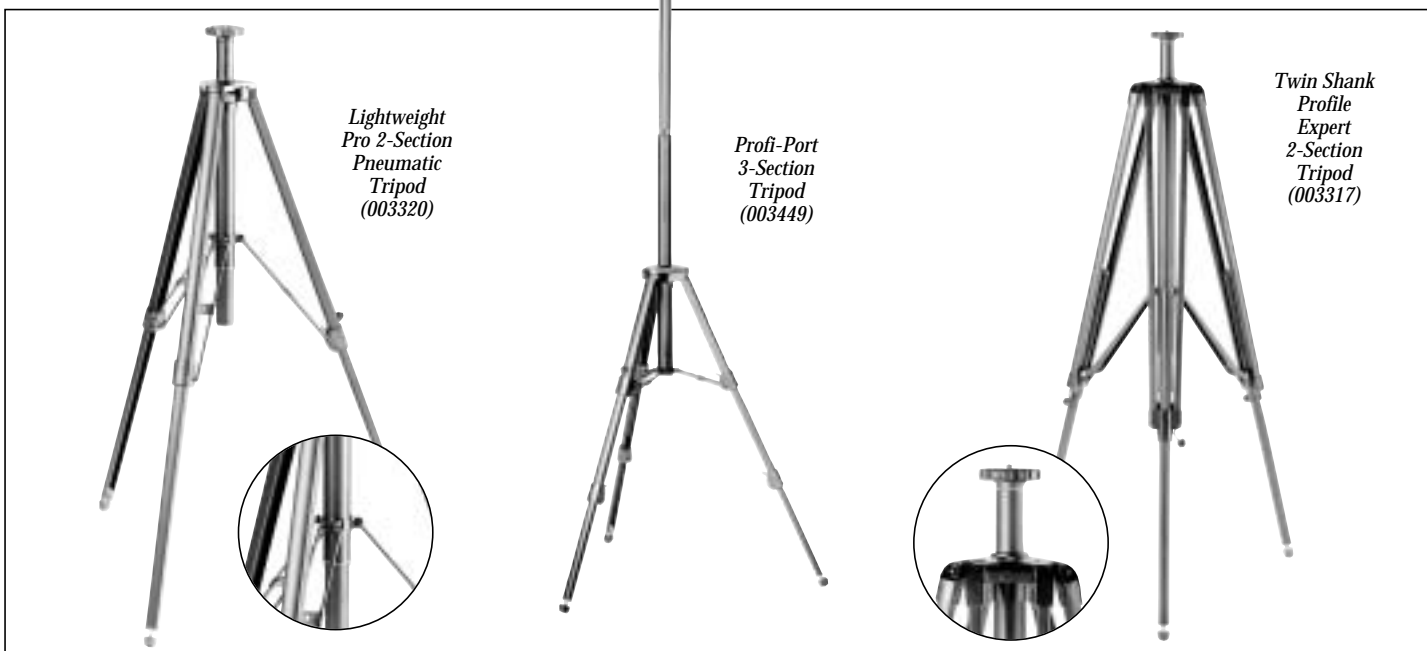
Item # **LITPP** .....**329.95**

#### Twin Shank Profile

#### Expert 2-Section Tripod (003317)

With 003753 dual threaded 77mm top plate. Features large leg mount collar and twin shank upper leg sections for extra sturdiness, removable struts for individually adjustable leg spread, sliding reversible 35mm diameter reversible center post with a reversible 1/4-20" and 3/8" 77mm top plate and extreme rigidity, making this tripod the choice for professionals.

Item # **LITE** .....**722.50**





# L I N H O F

## T R I P O D S

### Heavy Duty Pro Tripod Legs

#### Heavy Duty Pro 2-Section Tripod (003323)

With #031482 90mm top plate and  $\frac{3}{8}$ " screw. The classic and sturdiest 2-sectional heavy duty tripod for all applications, featuring robust twin-shank aluminum tubes with plastic covering. Extremely stable, oversized leg mount collar assures vibration-free camera operation. Tripod braces guarantee absolute fixed positioning, even on smooth surfaces. Leg extension can be locked to any desired height by eccentric clamps. Removable center tube and detachable center struts allow variable leg spread. Incorporated spirit level. The tripod feet are convertible from metal tips to rubber pads, making it suitable for all surfaces.

Item # LITHDP .....1817.50



Heavy Duty Pro  
2-Section  
Tripod  
(003323)

#### Profi III 3-Section Tripod (003454)

With #031482 90mm top plate and  $\frac{3}{8}$ " screw. Whether way up high or close to the ground, it is no problem for Linhof's Profi 3 system with the rotating leg locks. Features three heavy duty tubular extensions, the top section protected by a durable plastic covering - the ultimate in compact professional tripod design. Variable leg spread through adjustable stops allow firm positioning of tripod legs in three different working heights. Rugged locking sleeves control leg extension. Integrated heavy duty elevator center post. Column can be inverted or removed. Gear drive is equipped with self-locking friction brake that can be adjusted to the weight of the equipment attached.

Item # LITP3.....2089.95



Profi III  
3-Section  
Tripod  
(003454)

### TRIPOD LEGS SPECIFICATIONS

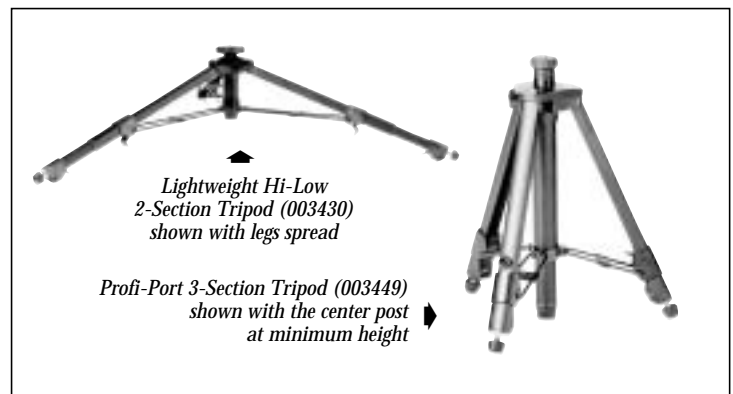
MODEL #	003319/20	003414	003449	003430	003317
Load Capacity	13 lbs. (5.9kg)	13 lbs. (5.9kg)	9 lbs. (4kg)	12 lbs. (5.4kg)	26.5 lbs. (12kg)
Maximum Extension	59" (150cm)	75" (190cm)	62" (158cm)	59" (150cm)	73" (186cm)
Minimum Usable Height	6" (15cm)	0	0	0	0
Leg Sections	2	3	3	3	2
Center Column Section	2	2	3	2	2
Folded Length	24" (61cm)	25.6" (65cm)	17 (43cm)	24" (61cm)	32" (81cm)
Weight	4.4 lbs. (2kg)	5.3 lbs. (2.4kg)	4.5 lbs. (1.8kg)	4.9 lbs. (2.2kg)	6.6 lbs. (3kg)

Subject to change without notice

### HEAVY DUTY PRO TRIPOD LEGS SPECIFICATIONS

MODEL #	003323	003454
Load Capacity	45 lbs. (20kg)	45 lbs. (20kg)
Maximum Extension	61" (155cm)	74" (187cm)
Minimum Usable Height	0	9.8" (25cm)
Leg Sections	2	2
Center Column Section	2	1
Folded Length	36" (91cm)	28" (72cm)
Weight	16 lbs. (7.3kg)	15 lbs. (6.8kg)

Subject to change without notice



### Pan and Tilt Heads

**Uni Quick Pan Tilt Head (003674)**  
With 003875 4x2" (10x5.3cm) quick release plate and 3/4" and 3/8" screws. Extremely smooth fluid like panning, positive locks for tilts, quick release mounting plate and a load capacity of 9 lbs. (4kg) make this an ideal choice for the photographer on the go. Height is 4.5" (11.5cm) and weight 2.5 lbs. (1.1kg).  
**Item # LIPHU.....342.95**



Uni Quick Pan Tilt Head (003674)

**Profi III Universal Pan/Tilt Head (003669)**  
With 003877 quick release plate. Heavy duty levelling pan/tilt head for use with cameras or instruments requiring secure orientation. Individual oversized locks on all movements, operated by locking spindles or large clamp levers. Linear horizontal levelling motion (15° to either side), over 90° vertical tilt forward, 30° backward, extremely smooth 360° panning. Self-locking quick-change plate with dual safety catches (securely mounts to cameras with aid of Allen wrench). Maximum load capacity 26 lbs. (12kg). 90mm diameter base plate with 3/8" tripod bushing. Height 6.5" (16.5cm), weight 7.5 lbs. (3.4kg).  
**Item # LIPHP3.....1563.95**

**Profi 3 Quick Release Plate (003877)**  
Replacement for the Profi III Universal Pan/Tilt Head (003669).  
**Item # LIQRPQF2.....39.95**

Profi III Universal Pan/Tilt Head (003669)



**Quick Release Plate (003875)**  
Replacement for Uni Quick Pan Tilt Head (003674).  
**Item # LIQRPQF1.....39.95**



### Levelling Heads

**Large Levelling Head 3/8" (003659)**  
Heavy duty head for smooth omnidirectional 15° levelling and vibration-free support of heavier cameras, powerful tele lenses and other optical instruments. 3/8" tripod thread and camera screw. 77mm base and top plate. Maximum load capacity 22 lbs. (10kg). Weighs 16 oz. (450g).  
**Item # LILH38L.....357.95**

**Large Levelling Head 1/4" (003664)**  
Same as above, but with 1/4" tripod thread and camera screw.  
**Item # LILH.25L.....357.95**

**3-Way Levelling Head (003663)**  
Combines flexibility and light weight with extremely compact size and maximum stability. Eccentric locking levers positively secure the camera at any angle. Holds camera with tele photo lenses and view cameras up to 5x7. Especially suitable for precise camera adjustment in copy work. Tilt motions and pan rotation lock separately. 77 diameter top plate with 1/4" and 3/8" camera screws. 77mm diameter base plate. Weighs 32 oz. (900g).  
**Item # LILH1.....684.95**



**Levelling Pan/Tilt Head 77 (003667)**  
Compact and extremely sturdy levelling pan/tilt head with integrated dove-tail quick-lock base permitting direct insertion of Linhof Kardan ST-E/GTL/TL/TE cameras which slide back and forth to control taking ratio without moving the tripod. For other equipment, a quick-change plate (#003853) is available. Dual locking struts anchor the camera positively at any angle from 0 to over 90°. Oversized locking elements for lateral levelling (15° to either side) and pan rotation. 77mm diameter base plate; 3/8" tripod socket. Height 3" (7.5cm), weighs 3 lbs. (1.2kg).  
**Item # LILH77Q.....794.50**

**Levelling Pan/Tilt Head 90 (003668)**  
Same as above, but with 90mm diameter base plate. Height 3.5", weighs 3.5 lbs. (1.7kg).  
**Item # LILH90.....781.95**

**Quick Release Plate (003853)**  
Optional accessory mounting plate for levelling pan/tilt head #003667/68. With 1/4" and 3/8" retaining screws. Slides into dovetail base of above heads and allows attachment of other than Kardan type cameras. Safety click-stops and positive locks for secure camera positioning.  
**Item # LIQRP.....105.95**

### PAN HEADS/LEVELLING HEADS SPECIFICATIONS

Pan Heads	Load Capacity	Height	Weight
#003666	2.9 lbs. (1.3kg)	3.6" (9.2cm)	14 oz. (400g)
#003674	8.8 lbs. (4kg)	4.5" (11.5cm)	2.4 lbs. (1.1kg)
#003669	26.5 lbs. (12kg)	6.5" (16.5cm)	7.5 lbs. (3.4kg)
Levelling Heads	Load Capacity	Height	Weight
#003659/64	22 lbs. (10kg)	2.7" (6.8cm)	1 lb. (450g)
#003663	11 lbs. (5kg)	3.5" (9cm)	2 lbs. (900g)
#003667	22 lbs. (10kg)	3" (7.5cm)	2.9 lbs. (1.3kg)
#003668	26.5 lbs. (12kg)	3.5" (9cm)	3.7 lbs. (1.7kg)

Subject to change without notice

# L I N H O F

## B A L L H E A D S

### Ball Heads

#### Mini

##### Tilttop Ballhead (003633)

Compact, extremely light, all metal ballhead. Ideal for compact 35mm cameras, double wing nut for positive lock, and 1/4" screw. Weighs just 4 oz. (100g).

**Item # LIMTT .....78.50**

#### Universal

##### Ballhead 1 (003681)

All metal ballhead with reversible 42mm top plate. Height 3.1" (8cm). Weighs 9.5 oz. (270g).

**Item # LIPBH01 .....86.95**

#### Universal

##### Ballhead 1 Panorama (003677)

All metal ballhead with large knobs and individually lockable panorama movement. Dual threaded 42mm top plate. Height 3.7" (9.5cm), weighs 10 oz. (286g).

**Item # LIPBH1 .....134.95**

#### Profi II Ballhead (003676)

A professional medium sized precision ballhead with a 17.6 lb. (8kg) load capacity. Oversized locking knobs for secure positioning. Calibrated friction control. Dual threaded 42mm top plate with a 63mm diameter base. Weighs 1 lb. (540g).

**Item # LIBHP242 .....289.95**

#### Profi II Ballhead (003676)

Same as the Profi Ballhead (003676), with a 77mm diameter top plate.

**Item # LIBHP277 .....289.95**

Universal Ball  
Head 1  
(003681)



#### Profi II Ballhead with Quick Release (003679)

Same as above, but with built-in quick release and 2.8x2" (7x5cm) quick release plate. Height 4.5" (11cm), weighs 26.6 oz. (754g).

**Item # LIBHP2QF1 .....389.00**

#### Quick Release Plate (003875)

2.8x2" (7x5cm) plate. Replacement for Model 003679.

**Item # LIQRPQF1 .....39.95**

#### Profi III Ballhead (003650)

Sturdy, heavy duty ballhead for precise omni-directional positioning of heavy cameras with a load capacity of 22 lbs. (10kg). Precision engineering combined with friction adjustment guarantees secure camera orientation and safe operation. Individual lockable smooth ball movement and pan rotation, panorama scale with zero index. 90mm base diameter, dual threaded 77mm diameter reversible top plate. Weighs 2 lbs. (1.4kg).

**Item # LIBHP377Q .....648.95**

#### Profi III Ballhead (003675)

Same as above, with an 80mm base diameter and dual threaded 77mm diameter reversible top plate.

**Item # LIBHP377 .....459.95**

#### Profi III Ballhead (003675)

This heavy-duty precision ballhead is the same as the Profi III Ballhead (003650), with an 80mm base diameter and dual threaded 42mm diameter reversible top plate.

**Item # LIBHP342 .....449.00**

#### Profi III Ballhead

##### with Quick Release (003680)

Same as the Profi III Ballhead (003675), with a 80 base diameter, but with built-in quick release and 2x3.9" (5x10cm) quick release plate.

**Item # LIBHP3QF2 .....559.95**

#### Quick Release

##### Plate II (003877)

Replacement for above, Model #003680.

**Item # LIQRPQF2 .....39.95**



### BALL HEADS SPECIFICATIONS

Ball Heads	Load Capacity	Height	Weight
003681	3.3 lbs. (1.5kg)	3.1" (8cm)	10 oz. (286g)
003677	7.7 lbs. (3.5kg)	3.7" (9.5cm)	2.4 lbs. (1.1kg)
003676/063676	17.6 lbs. (8kg)	4.2" (10.7cm)	1.2 lbs. (540g)
003679	17.6 lbs. (8kg)	4.3" (11cm)	1.6 lbs. (754g)
003650	22 lbs. (10kg)	5.4" (13.8cm)	3 lbs. (1.4kg)
003675/80/063675	22 lbs. (10kg)	5" (12.9cm)	2.8 lbs. (1.3kg)

Subject to change without notice

### Precision Heads

#### Precision Cradle Head (003671)

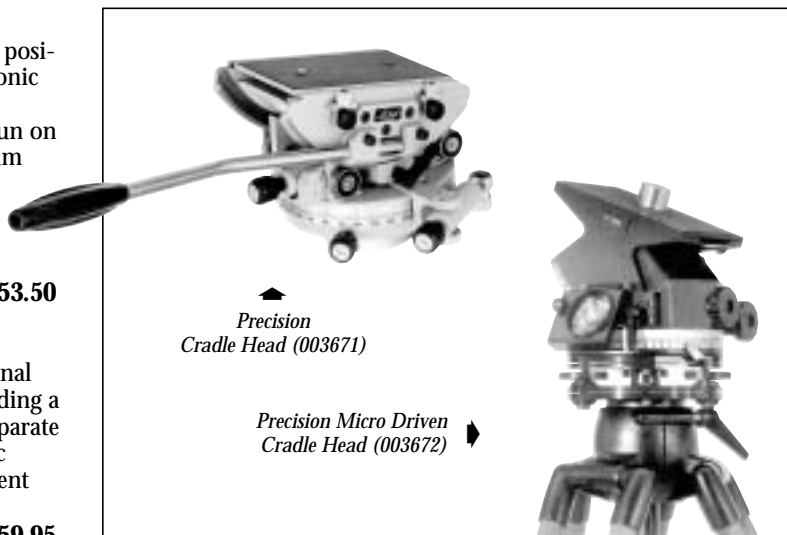
Precision-engineered cradle head for ultra-precise instrument positioning, specially designed for sophisticated optical and electronic equipment like micro wave antennas, radar detection devices, tracking telescopes, extremely long lenses, etc. Tilt segments run on ball bearings and pan rotation on needle bearings for maximum smoothness. Oversized dovetail quick-change plate for safe and load-compensated instrument positioning. Forward and backward tilt  $\pm 21^\circ$ ; 90mm diameter base retaining plate; load capacity over 65 lbs. (30kg) and weight 10 lbs. (4.5kg).

Item # **LIPH** ..... **2653.50**

#### Precision Micro Drive Cradle Head (003672)

Same as the Precision Cradle Head (003671), but with additional micro drives for extremely accurate pan and tilt control providing a  $\pm 5$  minimum micro adjustment range in any position. The separate micro drives can be disengaged to allow rapid changes of basic instrument position. Vertical tilt range  $\pm 21^\circ$ . Vernier adjustment accuracy 5 min. Weight 11 lbs. (5kg).

Item # **LIPHMD** ..... **4259.95**



Precision  
Cradle Head (003671)

Precision Micro Driven  
Cradle Head (003672)

### Monopods

#### Minipod 4-Section Monopod (003354)

With wrist strap. Adjusts with screw locks. Rubber pad leg tip with  $\frac{1}{4}$ " camera mounting screw. Extends to 61" (155cm). Folds to 18" (45cm). Load capacity 4.4 lbs. (2kg), weighs 12 oz. (330g).

Item # **LIMPM** ..... **115.95**

Deluxe 3-Section  
Monopod (003301)

Minipod 4-Section  
Monopod (003354)

Monomatic  
5-Section  
Monopod  
(003458)



#### Monomatic 5-Section Monopod (003458)

With wrist strap. Short and light monopod with automatic system for stepless height adjustment. Hard anodized, rubber leg tip, with  $\frac{1}{4}$ " camera mounting screw. Extends to 58" (147cm). Folds to 12" (33cm). Load capacity 4.4 lbs. (2kg). Weighs 11 oz. (310g).

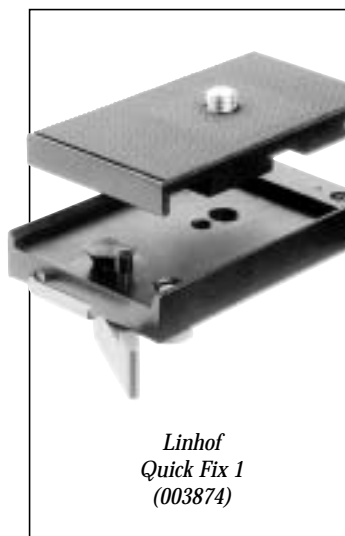
Item # **LIMPMQ** ..... **182.50**

#### Deluxe 3-Section Monopod (003301)

A very sturdy support for heavier photo or video cameras. Adjustable to any intermediate height by means of locking sleeve. Dual leg tip (metal spike/rubber pad), with loop. 42mm diameter top plate with  $\frac{1}{4}$ " camera mounting screw. Extends to 59" (155cm). Folds to 23" (61cm). Load capacity 11 lbs. (5kg). Weighs 21 oz. (590g).

Item # **LIMPD** ..... **204.95**

### Quick Release Adapters and Plates



Linhof  
Quick Fix 1  
(003874)

#### Quick Fix 1 (003874)

With quick release plate #003875. Compact size is good for 35mm cameras or video camcorders. A universal quick-lock connection between camera and tripod, with  $\frac{1}{4}$ " and  $\frac{3}{8}$ " tripod bushings and tripod screws. Dual safety lock, heavy duty, solid all metal design. Weight with plate 7.8 oz. (222g).

Item # **LIQF1** ..... **129.00**

#### Quick Release Plate (003875)

Replacement for the Quick Fix 1 (003874). 4 x 2" (10 x 5.3cm).

Item # **LIQRPQF1** ..... **39.95**

#### Quick Fix II (003854)

With quick release plate #003877. Same as the Quick Fix 1 (003874), but larger and accepts the larger plate 3.9 x 2" (10 x 5.2cm) for larger cameras. Weighs just 11 oz. (322g).

Item # **LIQF2** ..... **134.00**

#### Quick Release Plate II (003877)

Replacement for the Quick Fix II (003854). 3.9 x 2" (10 x 5.2cm).

Item # **LIQRPQF2** ..... **39.95**

#### $\frac{3}{8}$ " Screw (056084)

Replacement for Quick Fix 1 (003874), Quick Fix 2 (003854), or either Quick Release Plate.

Item # **LIS38QF2** ..... **19.50**

#### $\frac{1}{4}$ " Screw (056325)

Replacement for Quick Fix 1 (003874), Quick Fix 2 (003854), or either Quick Release Plate.

Item # **LIS.25QF2** ..... **23.95**

### Tripod Bags

Linhof manufactures matching carrying cases with a zippered closure and a handy shoulder strap for easy carrying, that is made of durable fabric and is available in neutral shades.

**Tripod Case** (023321)  
Length 20" (52cm).  
**Item # LITCPP .....76.50**

**Tripod Case** (023305)  
Length 30" (76cm).  
**Item # LITCRSV .....87.50**

**Tripod Case** (023304)  
Length 34" (87cm).  
**Item # LITCLWP3S .....109.95**

**Tripod Case** (023313)  
Length 38" (97cm).  
**Item # LITCE .....112.50**

**Tripod Case** (023308)  
Length 41" (105cm).  
**Item # LITCP3 .....349.95**

**Tripod Case** (023309)  
Length 47" (120cm).  
**Item # LITCHDP .....368.95**

### Tripod Accessories



*Sliding  
Zoom  
Rail  
(003858)*

**Projection Accessory  
Platform 30mm** (003762)  
8.5x13" (22x34cm). Fits into  
30mm center column. Includes  
clamp.  
**Item # LIPP30 .....109.95**

**Sliding Zoom Rail** (003858)  
Rigid extrusion profile mono-  
rail 30" (750mm), with sliding  
support that allows smooth  
camera and instrument dis-  
placements up to 700mm/27.5"  
without moving the camera  
stand. Particularly useful for  
table-tops and extreme close-  
ups. Supplied with integrated  
Quickfix II connector and  
quick release plate.  
**Item # LISCZR .....512.95**

**Large Geared  
Center post**  
(003755)  
For Heavy Duty  
Pro #003323.  
Accessory col-  
umn with fric-  
tion-adjustable,  
self-braking rack  
and pinion ele-  
vator drive. Fits  
into 90mm  
diameter collar  
of Linhof pro-  
fessional tripods  
and has 90mm diameter clamp  
mount on top. Height 24"  
(60cm), weight 1.5 lbs. (680g).  
**Item # LICCL .....824.95**



**35mm Center Column** (003833)  
With 35mm top plate. Fits  
tripods with 35mm diameter  
center.  
**Item # LICC35 .....109.95**

**Extension Column** (003764)  
At 24" (60cm), extends the  
working height of larger pro-  
fessional tripods. Fits into  
90mm diameter collars of  
Models #003343 and #003454,  
or can be screwed onto any flat  
tripod plate. Has 90mm diam-  
eter clamp mount on top.  
**Item # LICE24 .....579.95**

**R/A Outtrigger  
Adapter 90mm** (003776)  
For Profi III #003454 and  
Heavy Duty Tripod #003323,  
for horizontal placement of  
Large Geared Center post  
#003755 or Extension Column  
#003764.  
**Item # LIOA90 .....609.95**

**Flat Tripod Top Plate** (032965)  
Fits into 90mm clamp mount.  
Flat top 1/4".  
**Item # LITP90.25 .....69.50**

**Flat Tripod Top Plate** (031482)  
Fits into 90mm clamp mount.  
Flat top 3/8".  
**Item # LITP9038 .....69.50**

**Small Top Plate 42** (003845)  
42mm diameter with 3/8" and  
1/4" solid brass camera screws.  
**Item # LITPDT42 .....19.95**

**Large Top Plate 77** (003753)  
77mm diameter, with 3/8" and  
1/4" solid brass camera screws.  
**Item # LITPDT77 .....24.95**

**Reducing Bushing** (004262)  
From 3/8" thread to 1/4".  
**Item # LIRB .....8.95**

### Camera Retaining Screws

All brass retaining screws for  
Linhof tripod heads, with small  
and larger plastic locking knobs.  
Available in 1/4" and 3/8" sizes, as  
below.

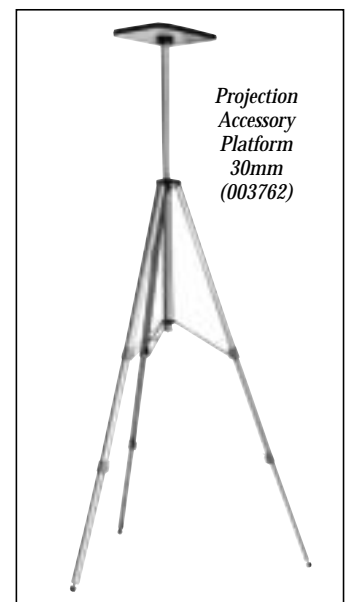
**Small Camera Screw 1/4"**  
(003769)  
**Item # LITS.25S .....19.50**

**Small Camera Screw 3/8"**  
(003773)  
**Item # LITS38S .....19.50**

**Large Camera Screw 1/4"** (003774)  
**Item # LITS.25L .....23.95**

**Large Camera Screw 3/8"** (003775)  
**Item # LITS38L .....23.95**

**Screw for 3-Way Levelling  
Head** (051644)  
**Item # LITSLH .....43.50**



*Projection  
Accessory  
Platform  
30mm  
(003762)*

**Outtrigger Arm** (003754)  
For mounting Technika cam-  
eras upside down (lens drop)  
or close to the ground. Also,  
for Varioport table columns.  
Adjusts to 135-180mm out trig-  
ger distance. Weighs 11 oz.  
(300g).  
**Item # LIOAT .....167.50**

**Macro/Stereo  
Focusing Slide** (003834)  
Smooth rack and pinion  
adjustment over 7" (18cm),  
interchangeable camera screw  
1/4" and 3/8", triple adjustable  
camera positioning. Tripod  
thread 1/4" and 3/8", adjustable  
dovetail base plate. Weighs 27  
oz. (700g).  
**Item # LIMSF .....428.50**

**HD Projection  
Accessory Platform** (003850)  
For heavy and wide projection  
equipment. 3/8" tripod bushing  
permits mounting to any tri-  
pod. 12x17" (30x42cm).  
**Item # LIPPHD .....187.95**



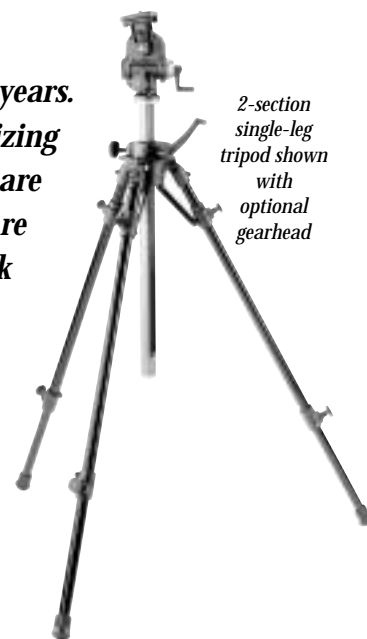
# MAJESTIC

## TRIPODS

*Majestic has been producing precision camera supports for more than forty years. Traditional manufacturing techniques and hand assembly are employed, utilizing steel, aluminum tubing and precision machined alloy casting. All fasteners are removable with standard hand tools and, where appropriate, lock washers are used where vibration and long wear might loosen a part. All locking screws work against tension, ensuring that they will not release inadvertently.*

*Majestic International 5000 Series tripods are offered with black anodized aluminum legs, dark gray anodized center column, and include a  $\frac{3}{8}$ " camera mounting screw. The Classic 5200 Series tripods come with a  $1\frac{1}{2}$ " (3.8cm) center post, and the 5900 Series come with a  $1\frac{7}{8}$ " (4.76cm) center post.*

*Majestic tripods are also available with two column extensions. All come with Quicklift ratchet drives which provide 2" of vertical motion for each turn of the gear driven crank.*



### International Series Tripod Legs with $\frac{3}{8}$ " Screw Mounts

**5001 1-Section  
Single Leg Tripod (850-01)**  
**Item # MA5001.....279.95**

**5003 1-Section  
Single Leg Tripod (850-03)**  
With extension.  
**Item # MA5003.....309.95**

**5005 2-Section  
Single Leg Tripod (850-05)**  
**Item # MA5005.....364.95**

**5007 2-Section  
Single Leg Tripod (850-07)**  
With extension.  
**Item # MA5007.....394.95**

**5021 1-Section  
Single Leg Tripod (850-21)**  
With center brace.  
**Item # MA5021.....322.95**

**5023 1-Section  
Single Leg Tripod (850-23)**  
With center brace and extension.  
**Item # MA5023.....352.95**

**5025 2-Section  
Single Leg Tripod (850-25)**  
With center brace.  
**Item # MA5025.....407.95**

**5027 2-Section  
Single Leg Tripod (850-27)**  
With center brace and extension.  
**Item # MA5027.....437.95**

**5041 1-Section  
Single Leg Tripod (850-41)**  
With center brace and 3" casters.  
**Item # MA5041.....364.95**

**5043 1-Section  
Single Leg Tripod (850-43)**  
With center brace, extension  
and 3" casters.  
**Item # MA5043.....394.95**

**5085 2-Section  
Twin Leg Tripod (850-85)**  
**Item # MA5085.....394.95**

**5087 2-Section  
Twin Leg Tripod (850-87)**  
With extension.  
**Item # MA5087.....424.95**

### SERIES 5000 TRIPODS SPECIFICATIONS

MODEL #	5001	5003	5005	5007	5021	5023	5025	5027	5041	5043	5085	5087
Load Capacity	40 lbs. (18.2kg)	40 lbs. (18.2kg)	35 lbs. (15.9kg)	35 lbs. (15.9kg)	40 lbs. (18.2kg)	40 lbs. (18.2kg)	40 lbs. (18.2kg)	40 lbs. (18.2kg)	40 lbs. (18.2kg)	40 lbs. (18.2kg)	50 lbs. (22.7kg)	50 lbs. (22.7kg)
Maximum Extension	48.5" (123cm)	70.5" (179cm)	71.25" (181cm)	93" (236cm)	48.5" (123cm)	70.5" (179cm)	71.25" (181cm)	93" (236cm)	51.5" (131cm)	73.5" (187cm)	73.5" (187cm)	94.5" (240cm)
Minimum Usable Height	30.25" (77cm)	32" (81cm)	31.25" (79cm)	33" (84cm)	30.25" (77cm)	32" (81cm)	31.25" (79cm)	33" (84cm)	33.25" (84cm)	35" (89cm)	32.75" (83cm)	33.5" (85cm)
Leg Sections	1	1	2	2	1	1	2	2	1	1	2	2
Center Column Section	1	2	1	2	1	2	1	2	1	2	1	2
Folded Length	32.75" (83cm)	34.5" (88cm)	34" (86cm)	35.75" (91cm)	32.5" (82.5cm)	34.25" (87cm)	33.75" (86cm)	35.5" (90cm)	38.25" (97cm)	38" (96cm)	36.75" (93cm)	38.25" (97cm)
Weight	6.5 lbs. (2.9kg)	8.5 lbs. (3.9kg)	7.5 lbs. (3.4kg)	9.5 lbs. (4.3kg)	7 lbs. (3.2kg)	9 lbs. (4kg)	8 lbs. (3.6kg)	10 lbs. (4.5kg)	16 lbs. (7.3kg)	18 lbs. (8.2kg)	12 lbs. (5.4kg)	14 lbs. (6.4kg)
Casters	Optional	Optional	N.A.	N.A.	Optional	Optional	N.A.	N.A.	Included	Included	N.A.	N.A.

*Subject to change without notice*

**Corporate Accounts Are Welcome**

# MAJESTIC

## TRIPODS

### Series 5200 Tripods with 1½" Center Post

5201 1-Section Single Leg Tripod (852-01) <i>Item # MA5201</i> ..... <b>279.95</b>	5227 2-Section Single Leg Tripod (852-27) With center brace and extension. <i>Item # MA5227</i> ..... <b>437.95</b>
5203 1-Section Single Leg Tripod (852-03) With extension. <i>Item # MA5203</i> ..... <b>309.95</b>	5241 1-Section Single Leg Tripod (852-41) With center brace and 3" casters. <i>Item # MA5241</i> ..... <b>364.95</b>
5205 2-Section Single Leg Tripod (852-05) <i>Item # MA5205</i> ..... <b>364.95</b>	5243 1-Section Single Leg Tripod (852-43) With center brace, extension and 3" casters. <i>Item # MA5243</i> ..... <b>394.95</b>
5207 2-Section Single Leg Tripod (852-07) With extension. <i>Item # MA5207</i> ..... <b>394.95</b>	5285 2-Section Twin Leg Tripod (852-85) <i>Item # MA5285</i> ..... <b>394.95</b>
5221 1-Section Single Leg Tripod (852-21) With center brace. <i>Item # MA5221</i> ..... <b>322.95</b>	5287 2-Section Twin Leg Tripod (852-87) With extension. <i>Item # MA5287</i> ..... <b>424.95</b>
5223 1-Section Single Leg Tripod (852-23) With center brace and extension. <i>Item # MA5223</i> ..... <b>352.95</b>	
5225 2-Section Single Leg Tripod (852-25) With center brace. <i>Item # MA5225</i> ..... <b>407.95</b>	

### Series 5900 Tripods with 1½" Center Post

5901 1-Section Single Leg Tripod (859-01) <i>Item # MA5901</i> ..... <b>254.95</b>	5927 2-Section Single Leg Tripod (859-27) With center brace and extension. <i>Item # MA5927</i> ..... <b>373.95</b>
5903 1-Section Single Leg Tripod (859-03) With extension. <i>Item # MA5903</i> ..... <b>279.95</b>	5941 1-Section Single Leg Tripod (859-41) With center brace and 3" casters. <i>Item # MA5941</i> ..... <b>373.95</b>
5905 2-Section Single Leg Tripod (859-05) <i>Item # MA5905</i> ..... <b>299.95</b>	5943 1-Section Single Leg Tripod (859-43) With center brace, extension and 3" casters. <i>Item # MA5943</i> ..... <b>399.50</b>
5907 2-Section Single Leg Tripod (859-07) With extension. <i>Item # MA5907</i> ..... <b>327.50</b>	5985 2-Section Twin Leg Tripod (859-85) <i>Item # MA5985</i> ..... <b>339.95</b>
5921 1-Section Single Leg Tripod (859-21) With center brace. <i>Item # MA5921</i> ..... <b>299.95</b>	5987 2-Section Twin Leg Tripod (859-87) With extension. <i>Item # MA5987</i> ..... <b>364.95</b>
5923 1-Section Single Leg Tripod (859-23) With center brace and extension. <i>Item # MA5923</i> ..... <b>327.50</b>	
5925 2-Section Single Leg Tripod (859-25) With center brace. <i>Item # MA5925</i> ..... <b>348.50</b>	

### SERIES 5200 and 5900 TRIPODS SPECIFICATIONS

MODEL #	5201/ 5901	5203/ 5903	5205/ 5905	5207/ 5907	5221/ 5921	5223/ 5923	5225/ 5925	5227/ 5927	5241/ 5941	5243/ 5943	5285/ 5985	5287/ 5987
Load Capacity	40 lbs. (18.2kg)	40 lbs. (18.2kg)	35 lbs. (15.9kg)	35 lbs. (15.9kg)	40 lbs. (18.2kg)	40 lbs. (18.2kg)	40 lbs. (18.2kg)	40 lbs. (18.2kg)	40 lbs. (18.2kg)	40 lbs. (18.2kg)	50 lbs. (22.7kg)	50 lbs. (22.7kg)
Maximum Extension	50" (127cm)	72" (183cm)	72.5" (184cm)	93" (240cm)	50" (127cm)	72" (183cm)	72.5" (184cm)	94.5" (240cm)	53" (135cm)	75" (191cm)	75" (191cm)	96" (244cm)
Minimum Usable Height	31.75" (81cm)	33.5" (85cm)	32.75" (83cm)	34.5" (88cm)	31.75" (81cm)	33.5" (85cm)	32.75" (83cm)	34.5" (87cm)	34.75" (88cm)	36.5" (93cm)	34.25" (87cm)	35" (89cm)
Leg Sections	1	1	2	2	1	1	2	2	1	1	2	2
Center Column Section	1	2	1	2	1	2	1	2	1	2	1	2
Folded Length	34.75" (88cm)	36.5" (93cm)	36" (91cm)	37.75" (96cm)	34.5" (88cm)	36.25" (92cm)	35.75" (90cm)	37.5" (96cm)	38.25" (97cm)	40" (102cm)	38.75" (98cm)	40.25" (102cm)
Weight	6.5 lbs. (2.9kg)	8.5 lbs. (3.9kg)	7.5 lbs. (3.4kg)	9.5 lbs. (4.3kg)	7 lbs. (3.2kg)	9 lbs. (4kg)	8 lbs. (3.6kg)	10 lbs. (4.5kg)	16 lbs. (7.3kg)	18 lbs. (8.2kg)	12 lbs. (5.4kg)	14 lbs. (6.4kg)
Casters	Optional	Optional	N.A.	N.A.	Optional	Optional	N.A.	N.A.	Included	Included	N.A.	N.A.

Subject to change without notice



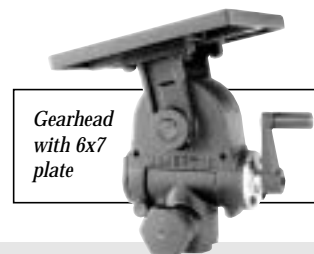
THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# MAJESTIC

## TRIPODS AND ACCESSORIES

Gearheads provide smooth movement and positive control of cameras weighing up to 35 pounds. They fit any standard tripod or camera stand, and the interchangeable camera platform allows mounting of virtually any camera. They feature internal gears, rugged aluminum casting and an oversized, self-locking crank. They allow 90° forward tilt, 30° back tilt and 15° tilt from left to right. Weighs 6 lbs. (2.7kg).



Gearhead  
with 6x7  
plate

### 1000 Series Gearheads - 3/8" Screw Mount

**1001 Gearhead** (810-01)  
With 6 x 7" (15.2 x 17.8cm)  
camera platform.  
**Item # MA1001 .....271.95**

**1003 Gearhead** (810-03)  
With 6 x 4.5" (15.2 x 11.4cm)  
camera platform.  
**Item # MA1003 .....271.95**

**1005 Gearhead** (810-05)  
With 3 x 3.6" (7.6 x 9.2cm)  
camera platform.  
**Item # MA1005 .....271.95**

**1007 Gearhead** (810-07)  
With 4.5" (11.4cm) round  
camera platform.  
**Item # MA1007 .....271.95**

### 1200 Series Gearheads - 1/2" Post Mount

**1201 Gearhead** (812-01)  
With 6 x 7" (15.2 x 17.8cm)  
camera platform.  
**Item # MA1201 .....254.95**

**1203 Gearhead** (812-03)  
With 6 x 4.5" (15.2 x 11.4cm)  
camera platform.  
**Item # MA1203 .....254.95**

**1205 Gearhead** (812-05)  
With 3 x 3.6" (7.6 x 9.2cm)  
camera platform.  
**Item # MA1205 .....254.95**

**1207 Gearhead** (812-07)  
With 4.5" (11.4cm) round  
camera platform.  
**Item # MA1207 .....254.95**

### 1900 Series Gearheads - 1 7/8" Post Mount

**1901 Gearhead** (819-01)  
With 6 x 7" (15.2 x 17.8cm)  
camera platform.  
**Item # MA1901 .....254.95**

**1903 Gearhead** (819-03)  
With 6 x 4.5" (15.2 x 11.4cm)  
camera platform.  
**Item # MA1903 .....254.95**

**1905 Gearhead** (819-05)  
With 3 x 3.6" (7.6 x 9.2cm)  
camera platform.  
**Item # MA1905 .....254.95**

**1907 Gearhead** (819-07)  
With 4.5" (11.4cm) round  
camera platform.  
**Item # MA1907 .....254.95**

### Tripod Accessories

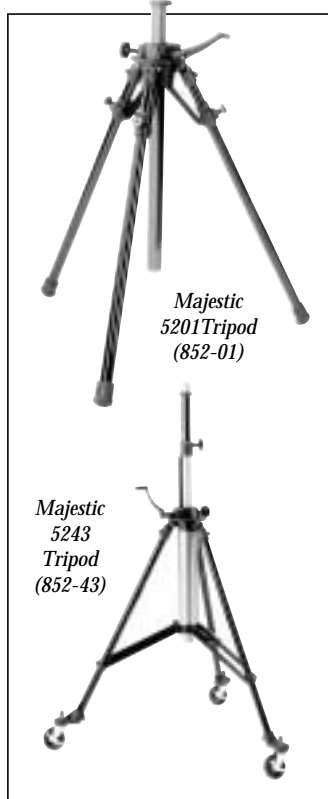
**8040A Sidearm  
with Head Mount** (880-40)  
For International tripods. For  
secure support at extremely  
low-angle positions, although  
mounting is possible at both  
top and bottom of the center  
column. The head mount can  
be moved easily to any position  
along the 18" horizontal arm.  
**Item # MA8040A .....94.95**

**8050 Flat Rubber Feet** (880-50)  
Set of 3.  
**Item # MA8050 .....69.95**

**#8202 2" Caster Set** (882-02)  
Set of 3.  
**Item # MA8202 .....74.95**

**#8203 3" Caster Set** (882-03)  
Set of 3.  
**Item # MA8203 .....87.50**

**#8204 4" Caster Set** (882-04)  
Set of 3.  
**Item # MA8204 .....92.95**



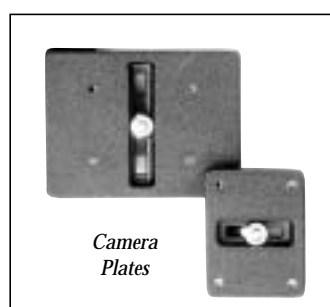
### Gearhead Accessories

Majestic has a wide array of  
camera plates (platform) that  
can be interchanged on gear-  
heads. Created from the finest  
aircraft aluminum, these plates  
can support cameras from  
35mm to 11 x 14" format.  
Simply screw the plate into the  
camera bottom and tighten via  
the thumb screw. Majestic  
plates are available with 3/8" or  
1/4" thread.

**#501 Camera Plate** (805-01)  
6 x 7" (15.2 x 17.8cm).  
**Item # MA501 .....29.95**

**#503 Camera Plate** (805-03)  
6 x 4.5" (15.2 x 11.4cm).  
**Item # MA503 .....29.95**

**#505 Camera Plate** (805-05)  
3 x 3.6 (7.6 x 9.2cm).  
**Item # MA505 .....29.95**



Camera  
Plates

**#507 Round  
Camera Plate** (805-07)  
4.5" (11.4cm).  
**Item # MA507 .....31.95**

**Adapter #800** (808-00)  
1 1/2" post (1200 Series) to 3/8"  
stud.  
**Item # MA800 .....41.95**

**Adapter #802** (808-02)  
1 7/8" post (1900 Series) to 3/8"  
stud.  
**Item # MA802 .....79.95**

**Most Orders Shipped Within 24 Hours**

# SLIK

## TRIPOD



*Slik's unique and patented engineering, plus a remarkably wide selection of tripods, it is easy to choose just the right one to hold your camera steady at any angle, on virtually any terrain, for applications indoors or out. Decades of experience and a wealth of accumulated photographic knowledge, combined with state-of-the-art engineering, have been instrumental in helping Slik create tripods that are amazingly light, yet offer remarkable strength and stability.*

### Mini Tripods with Heads

Sturdy, amazingly lightweight, compact, take-them-anywhere tripods, designed for compact cameras, give steady support at all times.

#### 450G Minipod (611-450)

The 450G is a compact minipod (11.5" folded), that is perfect for tabletop, macro and copy photography. Great on any available ledge. Reversible center column for low angle and copy work. Double extension center column and four leg extensions allow it to rise to almost triple its size. Separate pan and tilt control follows all the action. Easy-to-grip leg locks for quick adjustments.

Item # **SL450G**.....**21.95**



#### Mini Tripod (611-200)

Ideal for use with most compact 35mm SLRs, imaging cameras and camcorders weighing up to 2 3/4 lbs. as either a table pod or chest pod. The Mini Tripod travels anywhere, can be easily carried in a camera case, and sets up in an instant. A suction cup located on the bottom of the center column even allows the tripod to be set up on the hood of a car. Ideal for table-top, low-angle, and close-ups.

Item # **SLMT**.....**22.50**

### MINI AND COMPACT SPECIFICATIONS

Model	450G	Mini	Mini Pro II	Mini Pro	Compact
Load Capacity	2.8 lbs. (1250g)	2.8 lbs. (1250g)	1.8 lbs. (794g)	1.8 lbs. (794g)	2.8 lbs. (1250g)
Minimum Usable Height	0"	7" (15cm)	6.8" (17cm)	7.5" (19cm)	0"
Maximum Extension	3.4" (85cm)	8.5" (21.5cm)	8.5" (22cm)	9.5" (24cm)	38" (97cm)
Leg Sections	4	2	2	2	4
Center Column Sections	2	1	1	1	1
Folded Length	11.5" (29cm)	7.9" (20cm)	8.3" (21cm)	8" (20cm)	14.2" (36cm)
Weight	18 oz. (510g)	11 oz. (320g)	12 oz. (340g)	12 oz. (340g)	22 oz. (626g)

*Subject to change without notice*

### Mini Pro Tripods with Heads

#### Mini-Pro II (611-250)

The Mini-Pro II features a two-way panhead. It has an oversized elevator locking collar which makes raising the center column fast and easy.

Item # **SLMP2**.....**19.95**

#### Mini-Pro (611-350)

With pouch case. A compact ballhead allows for orienting the camera to almost any angle. For vertical photos, the camera platform can be tilted 90° in any direction.

Item # **SLMP**.....**34.95**



#### Compact Tripod (611-460)

Lightweight and sized perfectly for fitting into a backpack, the Compact Tripod is an excellent vacation tripod when travelling. Ideal for backpackers wanting camera or camcorder support. It features a reversible center-column for low-angle or copy work, and four leg sections. Separate pan and tilt control follows all the action, while the easy-grip leg locks permit quick height or uneven terrain adjustments. Rubber-tipped legs provide non-marring sure-footing on all surfaces.

Item # **SLCT**.....**28.50**

### Photo/Video Tripods with Fluid Effect Pan Head

The U Series tripods bring together modern design with ultra-smooth controls. All share the distinctive looking, two-tone titanium leg locks for quick, responsive leveling adjustments. The fluid effect panheads assure professional looking videos without annoying jumps and jitters, and rock solid support for your still photos.

#### U5000 (617-500)

Features oversized, single action locks with rubber leg tips for non-skid stability. The center column is lift-and-lock gearless with two-way photo/video fluid effect pan-head.

**Item # SLU5000 .....22.95**



#### U6000 (617-600)

Same as above, plus torsion resisting center leg braces, geared center column, tension adjustment locking collar and quick release camera platform.

**Item # SLU6000 .....27.95**

#### U8000 (617-800)

Same as above, plus 3-way photo/video fluid effect pan-head.

**Item # SLU8000 .....39.95**

#### U9000 (617-900)

Same as above, plus built-in bubble level.

**Item # SLU9000 .....44.95**

#### 505QF (617-505)

A heavy-duty tripod constructed to handle the weight and size of full size video cameras. Positive action fluid head for smooth panning, separate pan and tilt control locks, single action, quick release camera platform with safety lock make this the true professional model. Center column is gear driven. Legs are tubular design with braces for maximum stability.

**Item # SL505QF .....174.95**



### PHOTO/VIDEO TRIPOD SPECIFICATIONS

MODEL #	U5000	U6000	U8000	U9000	505QF
Load Capacity	3.3 lbs. (1.5kg)	3.3 lbs. (1.5kg)	4.4 lbs. (2kg)	4.4 lbs. (2kg)	11 lbs. (5kg)
Maximum Extension	46" (116cm)	56" (142cm)	59" (150cm)	59" (150cm)	65" (164cm)
Minimum Usable Height	18" (46cm)	22" (56cm)	23" (58cm)	23" (58cm)	29" (74)
Leg Sections	3	3	3	3	3
Center Column Section	1	1	1	1	1
Folded Length	18" (46cm)	22" (56cm)	23" (59cm)	23" (59cm)	30" (75cm)
Weight	28 oz. (793g)	2.5 lbs. (1.1kg)	3.3 lbs. (1.5kg)	3.5 lbs. (1.6 kg)	8 lbs. (3.6kg)

*Subject to change without notice*



# SLIK

## TRIPODS

### Deluxe Tripods with Pan-Head

#### U212 Deluxe (612-212)

With quick release post. The U212 Deluxe is an all-purpose tripod. Features include rectangular legs with retractable rubber leg tips and spikes. Each leg angle can be individually adjusted to compensate for unusual surfaces and ground level shots. Geared center column tension control gives the right support for varying camera weights. Includes a bubble level and a quick release camera post that makes camera mounting and removal fast and easy. Threaded panhead mounting post on one leg is ideal for low-angle photography. For shooting vertically, a camera locking brace provides a tight camera-to-tripod mount which prevents camera slipping. Other U212 Deluxe features include the capacity to accept a lens or flash caddy.

Item # **SLU212**.....**74.95**



#### 300 Deluxe (615-310)

With quick release platform. Features "D" shaped closed leg extensions that provide maximum strength. Each leg angle can be individually adjusted for surfaces and ground level shots. An omni-directional quick release permits easy mounting or removal. The quick release is positioned on a 3-way panhead with separate locking controls for pan and tilt. "Lift-n-Lock" center column features oversized locking collar. Rubber leg tips provide maximum traction outdoors and protection to surfaces indoors. Other features include the optional short center column, permitting tripod use as low as 14" (35cm).

Item # **SL300DX**.....**89.95**

#### Pro Tripod 700DX (615-315)

With Pro 700 DX Pan Head cylindrical shaped quick release. Using Tri-Titanium, a super-strength alloy comprised of aluminum, magnesium and titanium, the Pro 700 DX has a strength-to-weight ratio more than 40% greater than comparable tripods. Individual leg angle adjustments permit three distinctive settings for unusual terrain or low-angle camera use. The three-way removable pan head features individual locking controls for pan and tilt, as well as 360° rotation of its quick release platform and two bubble levels. The flat base of the quick release permits setting equipment down without concern of tipping it over.

Item # **SL700DX**.....**174.95**

### DELUXE TRIPOD SPECIFICATIONS

Model	U212 DLX	300 DX	700 DX
Load Capacity	5.5 lbs. (2.5kg)	11 lbs. (5kg)	15 lbs. (7kg)
Minimum Usable Height	0	0	*24.4" (62cm)
Maximum Extension	63" (160cm)	61" (155cm)	74.8" (190cm)
Leg Sections	3	3	3
Center Column Sections	1	1	1
Folded Length	27" (69cm)	26" (66cm)	29.9" (76cm)
Weight	6 lbs. (2.7kg)	5.5 lbs. (2.5 kg)	7 lbs. (3.2kg)

Subject to change without notice

\* with standard column

### Sport/Professional Tripods with Pan-Head

#### 444 Sport II (613-442)

Sturdily built, specifically for the photographer on the go. It is rugged enough for the active, outdoor, sports and nature photographer, yet compact and light enough to travel conveniently. Features individually adjustable 3-position, low angle leg locks to adapt the tripod to all types of terrain, and an optional short center column which makes it ideal for ground-level shooting. Solid metal construction. Weighs just 4 lbs. Ideal for field work, fitting easily into a backpack. Multi-action head with single handle pan and tilt. Quick release post for fast camera setup and removal. Also features speed release leg locks, geared center column for positive, precise elevation control and center column tension adjustment control for different camera weights.

Item # **SL444S2** .....**104.95**

#### Master Classic (616-725)

Surprisingly compact and remarkably sturdy, this attractively priced tripod is a professional quality instrument designed to please any pro. The heavy-duty construction makes it great for use with 35mm SLRs with long telephoto lenses, as well as with medium format cameras. Portable yet sturdy, it features a removable multi-action head with single pan and tilt adjustments. Allows for photography at any angle with no blind spots. Camera platform can be easily unlocked for panoramic assignments and smooth panning. Rugged grooved tubular design prevents legs from turning when unlocking or locking.

Item # **SLMC** .....**119.95**



### Sport/Professional Tripods with Pan-Head, *continued*



*Pro Ballhead 800 (618-708)*

#### SPORT/PROFESSIONAL TRIPOD SPECIFICATIONS

Model	SPORT II	MASTER CLASSIC
Load Capacity	11 lbs. (5kg)	13.2 lbs. (6kg)
Minimum Usable Height	0	0
Maximum Extension	51" (130cm)	64" (163cm)
Leg Sections	4	3
Center Column Sections	1	1
Folded Length	19" (48cm)	25.5" (65cm)
Weight	4 lbs. (1.8kg)	5.5 lbs. (2.5 kg)

*Subject to change without notice*

#### Ballheads

##### Compact Ballhead (618-710)

Use with compact cameras. Allows orientation of camera to almost any angle without use of a panhead.

**Item # SLBHC .....24.99**

##### Standard Ballhead II (618-709)

For use with most cameras. Features a large padded camera stage for stability.

**Item # SLBHS2 .....39.99**

##### Pro Ballhead (618-706)

For heavy-duty professional use. Extra large controls for easy handling.

**Item # SLBHP .....72.99**

##### Pro Ballhead 800 (618-708)

With quick release. For medium format cameras. features dual action rotating quick release platform and extra large rubberized locking knobs.

**Item # SLBHP800 .....89.95**

##### Super Ballhead (618-705)

Handles diverse, ultra heavy-duty assignments with up to large format cameras. Its maximum load is 30 lbs. Provides smooth, easy to use operation. Separate pan lock and fine tuning adjustments assure precise control and minimizes the chance of tipping.

**Item # SLBHS .....219.95**

#### Panheads

Panheads feature a large camera platform with interchangeable ¼" and ⅜" camera mounting screws and a non-slip cork pad for tight, positive camera-to-tripod mounting. The smooth 3-way panhead, complete with dual axis bubble levels, permits quick and easy establishment of vertical and horizontal positions. The ergonomically designed extra large, extra long handles and knobs assure quick, responsive control of all panhead movement, and the oversized space provided under the panhead camera platforms allow you to comfortably reach the camera mounting screw to quickly secure the camera.

##### Standard Panhead (619-715)

The Standard Panhead is a professional 3-way panhead with a load capacity of 16 lbs. (7.3kg). It weighs 3.3 lbs. (1.5kg).

**Item # SLP2H .....164.95**

##### Heavy-Duty Panhead (619-750)

The Heavy-Duty Panhead is a professional 3-way panhead with a load capacity of 22 lbs. (10kg), weighing 4 lbs. (1.8kg).

**Item # SLPH .....197.50**



#### BALL HEAD SPECIFICATIONS

Model	Compact Ball Head	Std Ball Head II	Pro Ball Head	Pro Ball Head 800	Super Ball Head
Load Capacity	6.5 lbs. (2.9kg)	11 lbs. (5kg)	15.4 lbs. (7kg)	11 lbs. (5kg)	30 lbs. (14kg)
Height	3.2" (8cm)	3.9" (10cm)	5.1" (13cm)	4.7" (12cm)	5.8" (14.6cm)
Weight	4.6 oz. (130g)	10.5 oz. (298g)	26.5 oz. (751g)	26.8 oz. (760g)	44 oz. (1247g)

*Subject to change without notice*

## HEADS / TRIPODS AND MONOPODS

### Auto-Fast Tripod/Tripod Head

#### AF2100 Pistol Grip Head (618-210)

With quick release plate. A unique patented single action pistol grip head. Just squeeze the trigger, set it to the desired position, release the trigger and your camera is locked right where you want it. Can be used with all makes and models of tripods that have 1/4 x 20" or 3/8" threaded center column posts. Quick release plate allows fast action mounting or removal of the camera platform. Base diameter is 2" (51cm), height 5.3" (13.3cm) and weighs 30 oz. (850g).

Item # **SLAF2100**.....**59.95**

#### Auto Fast 322 AF II Tripod (614-555)

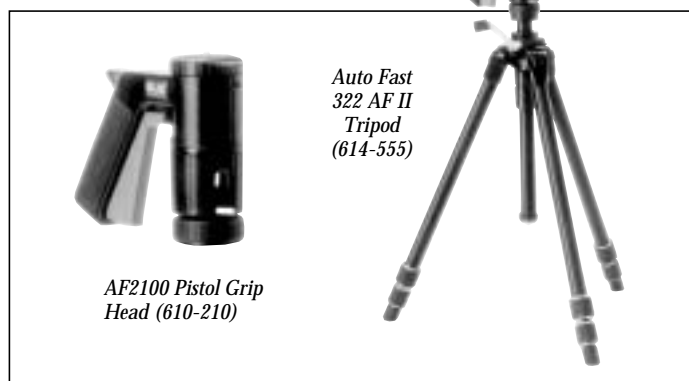
With quick release plate. The easiest to use, fastest operating tripod available. Includes AF2100 pistol grip head. Enables any angle movement with one touch. Head has bubble level which accurately establishes vertical position for tripod. Center column has tension control which sits on a geared elevator, to compensate different weights. Legs can be opened to a low angle for macro and close-up photography.

Item # **SL322AF2**.....**184.90**

### AUTO FAST TRIPOD SPECIFICATIONS

Model	Auto Fast 322 AF II Tripod
Load Capacity	11 lbs. (5kg)
Minimum Useable Height	0"
Maximum Extension	64" (163cm)
Leg sections	3
Center Column Sections	1
Folded Length	29" (72cm)
Weight	6.4 lbs. (2.9kg)

*Subject to change without notice*



### Monopods

Lighter and more compact than a tripod, a unipod offers greater mobility for fast-moving action. Ideal for use where space is limited and for traveling and back-packing, too.

#### Slim Pod (618-724)

Sturdy, tubular leg design, with single-action speed release leg locks for maximum rigidity and fast setup. Four leg sections offer eye-level operation. An adjustable panhead provides vertical tilt and horizontal panning action.

Item # **SLSP**.....**19.95**

#### Light Pod II (618-725)

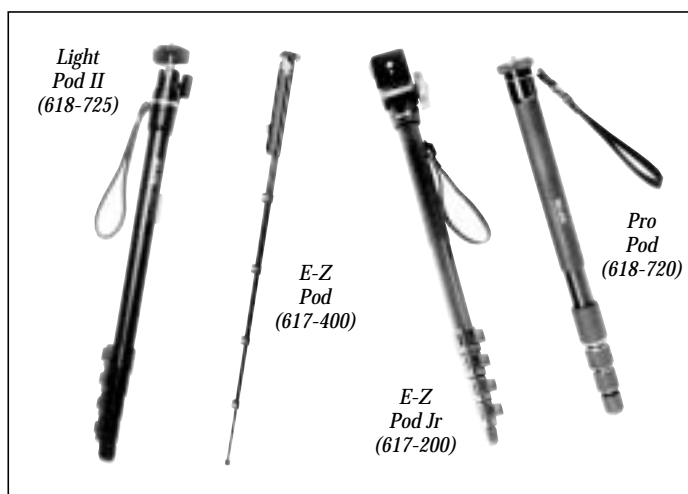
Features a compact ballhead for quick and smooth position changes, plus easy-to-operate flip lock leg levers. Grooved design prevents leg rotation while locking and unlocking. A heavy-duty wrist strap ensures a secure grip.

Item # **SLLP2**.....**44.95**

#### E-Z Pod Jr (617-200)

With wrist strap. This unique unipod was specifically created to be compatible with today's popular, lightweight cameras and camcorders. So compact when folded, (just 20 1/4"), it can be taken anywhere. The quick release, rubber padded platform is perfect for instant camera mounting and removal. Panhead adjusts for desired tilt movement. Five section, rigid tubular leg extends to a full 63". Single action, speed release locks.

Item # **SLEZPJ**.....**31.95**



#### E-Z Pod (617-400)

With a quick release rubber padded camera platform. Unique anti-gravity adjustment system offers easy, precise, push button controlled eye-level camera height setting, quickly and smoothly. Take it anywhere. Perfect for sporting events. Other features include an adjustable panhead for smooth tilt movement and single action, and speed release leg locks for fast setup and fold-down.

Item # **SLEZP**.....**41.95**

#### Pro Pod (618-720)

With strap. An ultra heavy-duty professional unipod, built sturdily enough to handle heavy weight. Grooved tubular leg extends smoothly and will not turn while leg locks are tightened or loosened. Wrist strap and "Sof-Touch" rubber padded grip for comfort.

Item # **SLPP**.....**84.95**

Monopods, *continued*

## MONOPOD SPECIFICATIONS

MODEL	Slim Pod	Lighty Pod II	E-Z Pod Jr	E-Z Pod	Pro Pod
Sections	4	5	5	4	4
Load Capacity	2.8 lbs. (1.2kg)	6.6 lbs. (3kg)	8.5 lbs. (3.9kg)	8.5 lbs. (3.9kg)	11 lbs. (5kg)
Height Range	20-59.5" (51-151cm)	20.6-63.3" (52-160cm)	20.3-63" (51-160cm)	18.5-62.8" (47-159cm)	23.8-71.6" (60-182cm)
Weight	10 oz. (284g)	16 oz. (454g)	17 oz. (482g)	24 oz. (680g)	37 oz. (1049g)

*Subject to change without notice*

## Tripod Accessories

**Clamp Head 38** (618-020)

Attached to a tripod leg or light stand, the clamp head will hold a camera rock-steady on an otherwise impossible angle. It can be adjusted a full 360° horizontally and 180° vertically. Attach it to the lower part of a tripod leg for low level shooting, or to the upper portion of the leg or center column to mount two cameras on a single tripod. Its load capacity is 11 lbs. (5kg), the platform size is 3.25 x 2" (8.3 x 5cm) and it weighs 1.2 lbs. (544g)

**Item # SLCH38.....76.50**

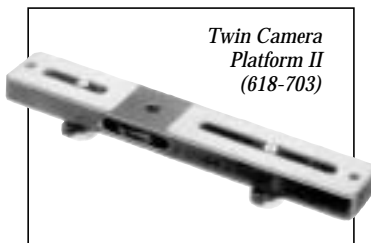
Clamp Head 38 (618-020)

**U700 Universal Tripod Dolly** (617-700)

Individual leg holders lock your tripod securely in place and adjust to allow the use of virtually any size tripod. Oversized 3" (74mm) rubber wheels provide smooth rolling action, and individual wheel locks secure tripod in place. Folds for easy carrying. Handy carry strap included. Legs are all metal construction. Opens to 19.4" (49cm), folds to 21 x 3.6 x 5.6" (53 x 9.5 x 14.5cm) and weighs 7.7 lbs. (3.5kg).

**Item # SLDU700 .....99.95****Twin Camera Platform II** (618-703)

For side-by-side use of two cameras, or camera and accessory. Threaded camera posts slide apart from 4" to 9 1/2".

**Item # SLTCP2.....57.95**

Twin Camera Platform II (618-703)

**Twin Pan Camera Platform** (618-704)

Use up to three cameras and/or accessories at one time. Twin panheads allow photographs to be taken independently at any angle. Length is 16" (41cm) and weight 29 oz. (820g).

**Item # SLTPCP .....119.95****Medium Tripod Case** (618-760)

Made of heavy-duty material and has an extra outside pocket, special ID window and adjustable carry strap. 24 x 6.3 x 5.1" (61 x 15.8 x 13cm).

**Item # SLTCM.....22.95****Large Tripod Case** (618-765)

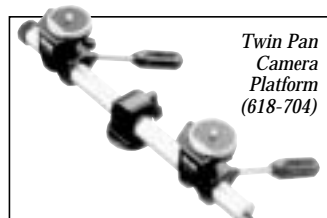
Same as the Medium Tripod Case, but in a larger size. 30 x 9.5 x 8.3" (76 x 24 x 21cm).

**Item # SLTCL.....23.95****Lens Caddy** (618-754)

Offers added support when using telephoto lenses. Attaches to the accessory shoe mount of the Slik U212 Deluxe tripod.

**Item # SLLC.....17.95****Flash Caddy** (618-753)

Set of two. A handy way to position your flash(es) away from the camera for creative lighting effects. For use on Slik U212 Deluxe.

**Item # SLFC.....33.50**

Twin Pan Camera Platform (618-704)

**Quick Release Post** (618-752)

Fits Universal U212 Tripod.

**Item # SLQRP.....6.95****Short Center Column** (615-312)

For 700 DX tripod. Minimum height will become 15.7" (40cm).

**Item # SLCCS700DX .....24.95****Quick Release Platform** (618-734)

Fits 112, 212, 322 AF tripods and 2100 AF pistol.

**Item # SLQRP322AF .....13.95****Medium Tripod Case** (618-760)**Quick Release Shoe** (618-737)

Fits Easy Pod, 511QF.

**Item # SLQRSEZP.....9.95****Quick Release** (618-330)

Fits model 300DX tripod.

**Item # SLQR300DX .....14.95****Quick Release Shoe** (618-730)

Fits the 505QF, 506QF and 322VF tripods.

**Item # SLQRS505QF .....13.95****Quick Release Shoe** (618-731)

Fits Models U6000, U8000, U9000 tripods.

**Item # SLQRSU8000.....9.95****Quick Release Shoe** (618-732)

Fits models 960G-QL, 970G-QL, 1200G-QL tripods.

**Item # SLQRS960GQL.....13.95****Quick Release Plate** (618-335)

1/4 - 20 for 700 DX Tripod and 800 Pro Ball Head.

**Item # SLQR.25700DX....19.95****Quick Release Plate** (618-340)

Same as above, but 3/8".

**Item # SLQR38700DX.....19.95**

*For the pro and amateur alike, Velbon offers a wide selection of tripods for every photographer and videographer. From the lightweight CX series to the heavy-duty Mark series, Velbon maintains a high degree of quality and consistency throughout its tripod line. Velbon prides itself on supplying the photo/video market with every style, design and feature needed in a photo/video tripod. It also provides a wide variety of accompanying accessories such as tripod bags, ball heads, cable releases and a marvelously light and reasonably priced quick-release system. Two and three-way pan/tilt heads along with camcorder alignment pins make Velbon a cost effective purchase for those with multiple needs from a reliable and user friendly tripod system.*

*Velbon's quick set-up system incorporates geared, as well as rapid columns with 1/4x20 head screws and quick side lever locks. Radial leg braces assure stability, while rubber tipped feet prevent unwanted slippage. Smooth, positive and friction controlled pan/tilt heads make shooting easier and more enjoyable. No matter what your photographic or videographic need is, Velbon can supply you with a tool that you can have confidence in.*

### CX Series Photo/Video Tripods with Heads

The CX series is a lightweight line of photo/video tripods suitable for compact 35mm and video camcorders. Along with either 2 or 3 way pan/tilt heads, the CX's feature "sure grip" controls, geared center columns, quick-release platforms, side lever locks, camcorder alignment pins and rubber tipped feet.

#### CX-300

3-section, 2-way panhead, 20mm tubular legged tripod with radial leg braces and geared center column. Left side positioned control handle makes camera controls easily accessible. Available in white aluminum or black.

**Item # VECX300 .....19.95**

#### CX-440

Same as the CX-300, featuring a 3-way pan/tilt head with "Auto-Lock" quick-release mechanism (QB-4LC).

**Item # VECX440 .....29.50**

#### CX-540

The next step in the CX series has an extra wide quick-release platform (QB-5LC), as well as a leveling bubble mounted on the tripod body. The legs are constructed of 23mm tubular aluminum. This is a 3-section tripod, as are all CX tripods. Features angled gear teeth for smoother center column operation. Weighs 3.5 lbs. (1.59kg). Available in titanium bronze.

**Item # VECX540 .....44.95**

#### CX-544

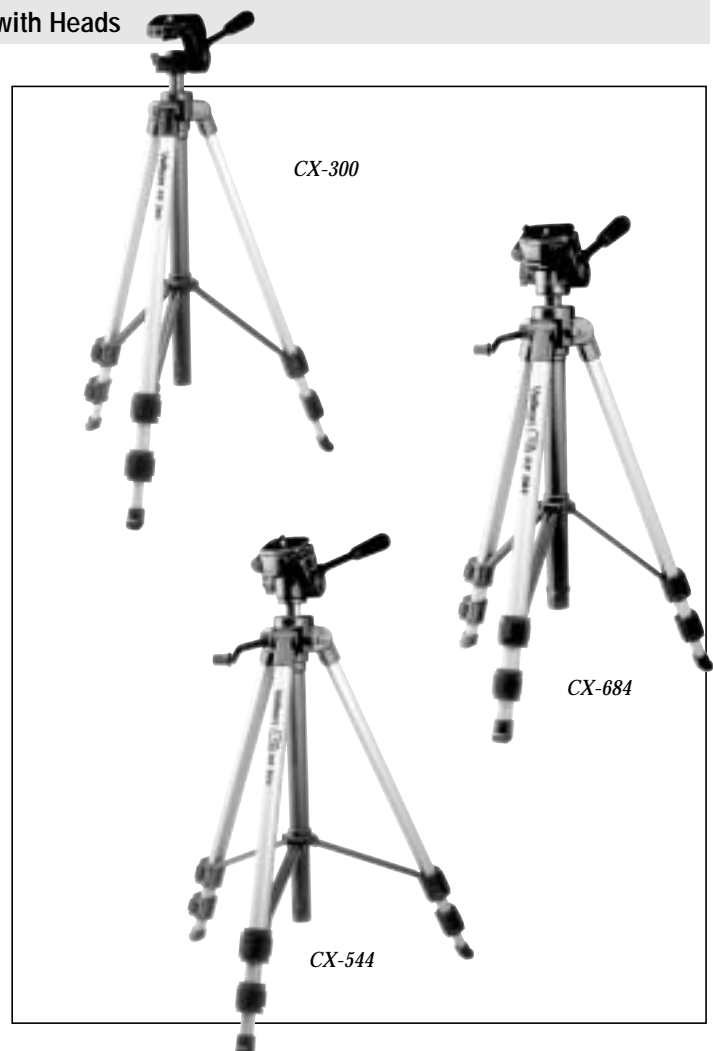
Dual purpose deluxe tripod with a left positioned handle and right tilting camera platform for unobstructed access to camera controls. Vertical shooting in 35mm is easier, as the platform provides better support for heavier lenses. Features a large 2-positioned quick-release platform, 27mm tubular legs and a bubble level. Titanium bronze color.

**Item # VECX544 .....44.95**

#### CX-684

Same as the CX-544, with a large 2-position quick-release camera platform (QB-5W).

**Item # VECX684 .....54.95**





### CX SERIES and SPECIALTY CX TRIPOD SPECIFICATIONS

MODEL #	CX-300	CX-440	CX-540	CX-544	CX-684	CX-580	CX-680F	CX-687
Load Capacity	5 lbs. (2.3kg)	5 lbs. (2.3kg)	7 lbs. (3.2kg)	7 lbs. (3.2kg)	8 lbs. (3.6kg)	7 lbs. (3.2kg)	8 lbs. (3.6kg)	8 lbs. (3.6kg)
Minimum Usable Height	20.3" (51.5cm)	20.5" (52cm)	21.5" (54.6cm)	21.5" (54.6cm)	23" (58.4cm)	22" (55.9cm)	24" (61cm)	24" (61cm)
Maximum Extension	57" (145cm)	57" (145cm)	59.3" (150cm)	59.5" (151cm)	63.3" (161cm)	59.8" (152cm)	63.8" (162cm)	64.3" (163cm)
Leg Sections	3	3	3	3	3	3	3	3
Center Column Sections	1	1	1	1	1	1	1	1
Folded Length	21.3" (54cm)	21.3" (54cm)	22.5" (57cm)	22.8" (59cm)	24" (61m)	23.8" (60.5cm)	25.6" (65cm)	26.5" (67.3cm)
Weight	2.2 lbs. (.98kg)	2.4 lbs. (1.1kg)	3.5 lbs. (1.6kg)	3.2 lbs. (1.5kg)	3.8 lbs. (1.75kg)	3.5 lbs. (1.6kg)	4 lbs. (1.8kg)	4.5 lbs. (2kg)

*Subject to change without notice*

### Specialty CX Video Tripods

All Specialty CX Video tripods contain 2-way fluid panheads, bubble levels, preset friction controls, angled gear teeth, 3-section tubular aluminum legs, radial braces, quick side lever locks, camcorder alignment pins, quick-releases and feature a titanium bronze finish. Additional features are listed below.

#### CX-580

A standard size video tripod with a reversible control handle design that allows for versatile left front or left rear panhead control. Comes with 23mm wide legs and rubber tipped feet.

**Item # VECX580.....51.95**

#### CX-680/F

A heavier duty tripod with thicker 27mm legs.

**Item # VECX680F.....64.95**

#### CX-687

The largest Specialty tripod of the series, the CX-687 features a Velflo 9 Mini-Pro 2-way fluid panhead with a 4-position control handle, allowing for "Follow the Action" shooting.

**Item # VECX687.....67.95**



DF-30 Lightweight, DF-40 Lightweight, DF-50 Standard, DF-60 Heavy Duty

### DF Series "Dual Function" Photo/Video Tripods with Heads

The DF series is a dual function tripod designed for photo and video use. Along with Velbon's sure-grip pan/tilt control handle located on the left side for easy access to camera controls, these tripods feature 3-sectioned tubular aluminum legs, radial leg braces and quick side-lever locks. Very stylish in an all black pro finish.

#### DF-30 Lightweight

A lightweight tripod for compact 35mm cameras and mini camcorders, the DF-30 features a lift center column for easy vertical shooting, 20mm wide legs and rubber tipped feet.

**Item # VEDF30.....19.95**

#### DF-40 Lightweight

A deluxe tripod with 3-way quick-release panhead (QB-4LC), geared center column with preset friction control, plus bubble level. Excellent for smooth pans and tilts.

**Item # VEDF40.....29.50**

#### DF-50 Standard

Standard-sized heavy-duty tripod with 3-way panhead and dual position quick-release platform (QB-4W). Ideal for regular SLR's and video camcorders. Adjustable rubber tipped feet are supplied with steel ground spikes for rugged terrain.

**Item # VEDF50.....44.95**

#### DF-60 Heavy-Duty

With 3-way panhead and quick-release platform. Bulkier legs at 27mm and ground spikes offer better supports.

**Item # VEDF60.....54.95**

### DF SERIES TRIPOD SPECIFICATIONS

MODEL #	DF-30	DF-40	DF-50	DF-60
Load Capacity	5 lbs. (2.3kg)	5 lbs. (2.3kg)	7 lbs. (3.2kg)	8 lbs. (3.6kg)
Minimum Usable Height	20.5" (52cm)	20.5" (52cm)	21.5" (54.6cm)	23" (58.4cm)
Maximum Extension	57" (145cm)	57" (145cm)	59.5" (151cm)	63.5" (161cm)
Leg Sections	3	3	3	3
Center Column Sections	1	1	1	1
Folded Length	20.8" (52.8cm)	21.0" (53.3cm)	22.8" (59cm)	23.8" (60.5cm)
Weight	2.4 lbs. (1.1kg)	2.6 lbs. (1.2kg)	3.2 lbs. (1.5kg)	4 lbs. (1.8kg)

*Subject to change without notice*

## TABLE-TOP AND COMPACT TRIPODS WITH HEADS

### Table Top and Compact Series

#### Mini Tripod (DF-10ML)

With its pro black finish, the DF-10ML has a 3-way quick-release panhead and radial braces for stability. The rubber tipped feet and quick side-lever locks make this dual function mini tripod a unique addition to the Velbon collection.

**Item # VEDF10.....24.95**

#### Compact Tripod (VTP-815)

A compact 8-section, 15mm leg tripod with 2-way panhead and carrying case.

**Item # VEVTP815.....24.95**

#### Compact Tabletop Pod (VTP1)

A table-top tripod with foldable accessory shoe and adjustable platform. Legs can be used as a handgrip. Features all metal construction.

**Item # VEVTP1.....33.50**

#### Compact Tripod (DH-20/4)

A compact, 4-section extruded aluminum tripod with geared center column and 3-way pan-head.

**Item # VEDH204.....46.95**

#### Mini-F Tripod (Mini F)

This full featured mini tripod has much packed into its 22" length (maximum extension). Geared center column, extra wide stance aluminum channel legs, radial braces and non-slip rubber tipped feet make this 2½ lb. deluxe system appealing.

**Item # VEMF.....84.95**



Mini-F Tripod (Mini F)

TABLETOP AND COMPACT TRIPOD SPECIFICATIONS					
MODEL #	DF-10ML	VTP-815	Compact TP-1	DH20/4	Mini-F
Load Capacity	5 lbs. (2.3kg)	1 lb. (450g)	3 lbs. (1.4kg)	4 lbs. (1.8kg)	5 lbs. (2.3kg)
Minimum Usable Height	11.5" (29.2cm)	10" (25.4cm)	3.9" (9.9cm)	18" (45.7cm)	6" (15.2cm)
Maximum Extension	25.2" (64cm)	40.2" (102cm)	3.9" (9.9cm)	56.5" (144cm)	22" (56cm)
Leg Sections	3	8	3	4	3
Center Column Sections	1	1	-	1	1
Folded Length	11.8" (30cm)	10.2" (26cm)	5.7" (15cm)	18.5" (47cm)	11.5" (29cm)
Weight	1.4 lbs. (.64kg)	17.6 oz. (.5kg)	12.3 oz. (.05kg)	2.3 lbs. (1kg)	2.5 lbs. (1.1kg)

*Subject to change without notice*

### Victory Series Photo Tripods with Pan Heads

These full-featured standard size deluxe tripods are black-matte finished, all featuring 3-section 23mm sealed legs. In addition to side-lever locks, they all have steel ground spikes with retractable round rubber feet and 3-way die-cast aluminum panheads.

#### Victory 450 Tripod

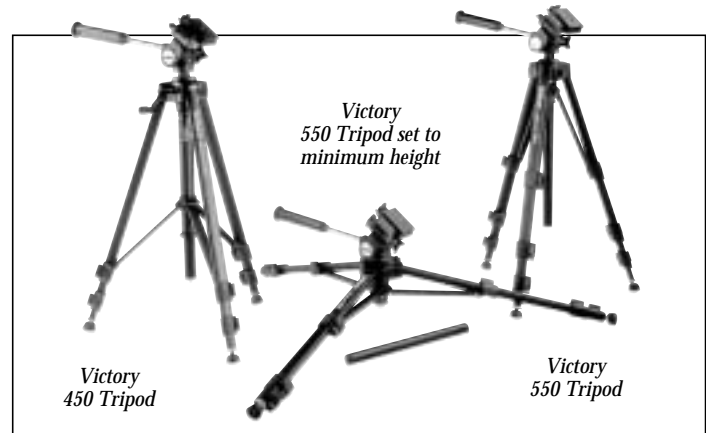
With PH-156Q removable pan-head and quick release. The 450 features radial leg braces, as well as a friction adjustable geared column for ease of vertical shooting.

**Item # VEV450.....64.95**

#### Victory 550 Tripod

With PH-156Q removable pan-head and quick release. The most unique feature of this tripod is its individually adjustable leg spread for ultra-low level shooting. With a minimum height of only 8 inches, ground level shooting with maximum stability is possible on any terrain. The double center column easily supports vertical shooting.

**Item # VEV550.....64.95**



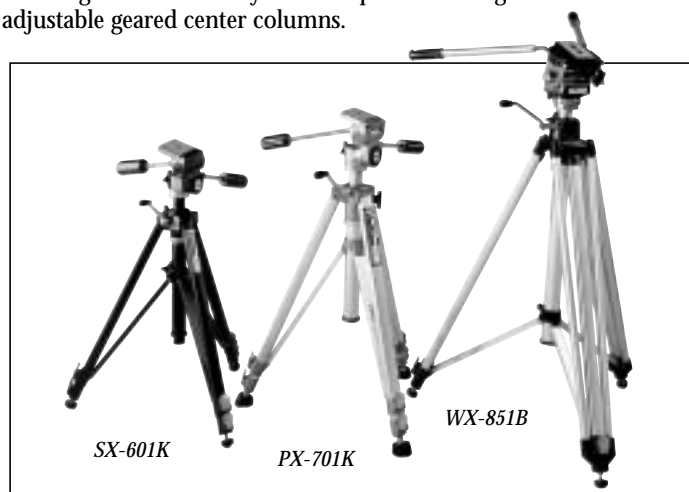
### VICTORY TRIPOD SPECIFICATIONS

MODEL #	450	550
Load Capacity	7 lbs. (3.2kg)	6.5 lbs. (2.9kg)
Minimum Usable Height	21.5" (54.6cm)	8" (20.3cm)
Maximum Extension	58.3" (148cm)	59" (149cm)
Leg Sections	3	3
Center Column Sections	2	2
Folded Length	22.1" (56cm)	22.6" (57cm)
Weight	3.8 lbs. (1.75kg)	3.8 lbs. (1.75kg)

*Subject to change without notice*

### X-Series Photo Tripods with Pan Heads

The X-series is a line of heavy-duty, full-featured extruded aluminum tripods designed for maximum stability under a variety of shooting scenarios. They feature quick-lever leg-lock and friction adjustable geared center columns.



#### SX-601K Tripod

Steel spiked 27mm legs with rubber tips make this tripod suitable for all 35mm and medium format cameras. Mounted removable Panhead PH-160 and a pro-black finish make this 7.4 lb. deluxe tripod a workhorse.

**Item # VESX601K.....169.95**

#### PX-701F Tripod

A heavier version suitable for lightweight large format cameras. Supplied with removable Panhead PH-170 in either gray or aluminum finish, with even thicker 32mm rubber tipped aluminum legs.

**Item # VEPX701F.....217.50**

#### WX-851B Tripod

The WX-851B features a W-shank leg design which eliminates lateral twisting. It also has a two-way spring counterbalanced panhead (PH-185) with dual adjustable pan/tilt handles. Heavy-duty 27mm legs with steel ground spikes and rubber tips are standard features. This tripod is also available as a leg assembly only (WX-851BA). Black and gray finish.

**Item # VEWX851B .....326.95**

#### WX851BA Tripod

Same as above. Leg assembly only.

**Item # VEWX851BA.....233.95**

### X-SERIES TRIPOD SPECIFICATIONS

MODEL #	SX-601K	PX-701F	WX-851B
Load Capacity	8 lbs. (3.6kg)	10 lbs. (4.5kg)	15 lbs. (6.8kg)
Minimum Usable Height	26" (66cm)	26.5" (67cm)	36" (91.4cm)
Maximum Extension	67" (170cm)	71.5" (182cm)	63" (160cm)
Leg Sections	3	3	2
Center Column Sections	1	1	1
Folded Length	26.4" (67cm)	27.0" (68.6cm)	36.5" (92.7cm)
Weight	7.4 lbs. (3.36kg)	9 lbs. (4.1kg)	11.7 lbs. (5.3kg)

*Subject to change without notice*

### Chaser Series Photo Tripods with and without Pan Heads

The sturdy, medium-weight Chaser tripods offer reliability and durability for the photographer who requires more of his/her tripod. The leg assembly is die-cast material and extruded aluminum. The unique design of the 3-way panhead allows for better support of longer lenses. The camera mounting threads are designed to tighten against the camera platform. The head is mounted on a friction adjustable geared center column.

#### Super Chaser with Panhead

The reversible panhead can be removed and reattached to the bottom of the center column for low angle shots. The Super Chaser features extra long 3-section legs, plus a center column extension of 12".

**Item # VESC.....59.50**

#### Handy Chaser with Panhead (HCA)

A compact version of the Super Chaser, with 4-section legs.

**Item # VEHCA .....69.95**

#### Mountain Chaser with Panhead (MCA)

A very functional tripod which allows individual leg spans for normal, semi-low and full low angles. A "Splittable Racked Column" makes low angle shooting even easier.

**Item # VEMCA .....116.50**

#### Chaser EL-3A Tripod Leg

More extended height than other Chaser tripods, yet it collapses to only 25.3". With the optional 3-way die-cast metal panhead (PH-157) mounted on an extra long reversible lift center column, the EL-3A is an innovative tripod. The right tilting camera platform allows 35mm vertical shooting, and long lenses will self-tighten against the camera mount. Ideal for copy work, ground level shooting and macrophotography.

**Item # VECEL3A.....54.95**

#### Chaser EL-3A

With PH157 3-way panhead and quick release.

**Item # VECEL3A157Q.....89.90**

#### Chaser EFL-3A Tripod Leg

Same as the EL-3A, but has adjustable leg spread and is capable of lower angle shooting with a minimum height of only 10.9". 2-section center column.

**Item # VECEFL3A .....64.95**

#### Chaser EFL-3A

With PH157 3-way panhead and quick release.

**Item # VECEFL3A157Q ..99.90**

#### Chaser EFL-4A Tripod Leg

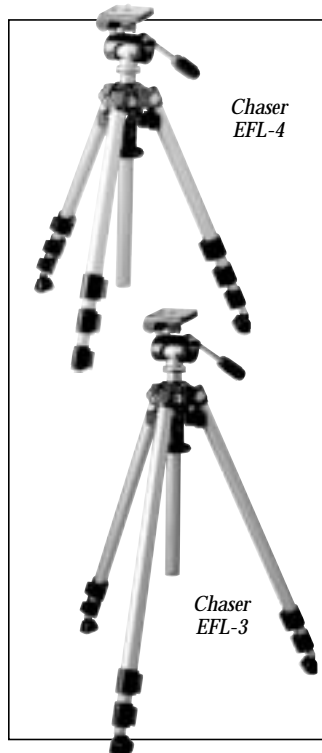
Same as the EFL-3A, but with a trade-off of a maximum extended height of 60.4" for minimum angle shooting of 9.6". 4-section 26mm tubular aluminum leg body.

**Item # VECEFL4A.....79.95**

#### Chaser EFL-4

With PH157 3-way panhead and quick release.

**Item # VECEFL4A157Q114.90**



### CHASER SERIES TRIPOD SPECIFICATIONS

MODEL #	Super	Handy	Mountain	EL-3	EFL-3	EFL-4
Load Capacity	8 lbs. (3.6kg)	8 lbs. (3.6kg)	8lbs. (3.6kg)	8 lbs. (3.6kg)	8 lbs. (3.6kg)	8 lbs. (3.6kg)
Minimum Usable Height	0"	0"	10" (25.4cm)	24" (61cm)	10.9" (27.7cm)	9.6" (24.4cm)
Maximum Extension	60.5" (154cm)	53.5" (136cm)	60.6" (154cm)	68.0" (173cm)	65.9" (167cm)	60.4" (154cm)
Leg Sections	3	4	3	3	4	4
Center Column Sections	1	1	2	1	2	2
Folded Length	23.5" (59.7cm)	19.4" (49.3cm)	21.3" (54.1cm)	25.3" (64.3cm)	25.8" (65.5cm)	20.6" (52.3cm)
Weight	4.5 lbs. (2kg)	4.3 lbs. (2kg)	4.9 lbs. (2.2kg)	4.5 lbs. (2kg)	4.4 lbs. (2kg)	4.5 lbs. (2kg)

Subject to change without notice

### Ace Series Tripod Legs

Heavy-duty pro line with all metal construction in a titanium finish. Created for 35mm and medium format cameras, they feature geared columns with angled teeth, as well as very stable 3-section 28mm tubular legs, rubber collar locks, rubber tipped feet and a carry strap.

#### Field Ace (A) Tripod Leg

Allows for individually adjustable leg positioning. Normal, semi-low and near ground level (8") positions are possible. This "grounder" design makes the tripod useful on a variety of terrains.

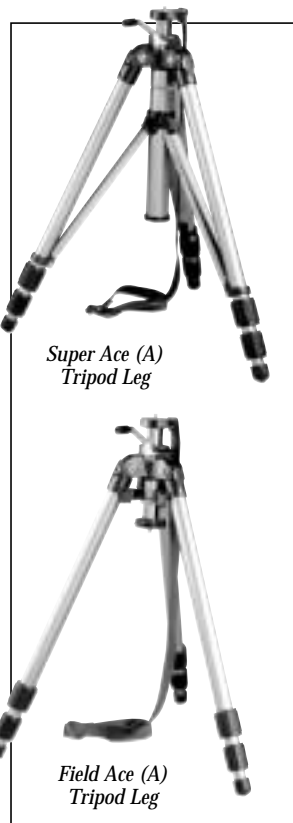
Item # VEFAA .....**223.95**

#### Super Ace (A) Tripod Leg

Similar to the Field Ace, but with radial leg braces and more maximum height.

Item # VESAA .....**236.50**

For Ace Series specifications, see next page



### Professional Mark Tripod Legs

For the working pro, this series of tripods is the top of the ladder. With double geared columns and heavy-duty aluminum legs, the Pro series can stand up to the most rigorous demands. All feature flanged collar locks and 3-position legs spread for normal, low and near ground shooting. The round tubular legs have rubber collar locks and rubber tipped feet.

#### Mark 6 (A)

Standard size with 30mm legs.

Item # VEM6A .....**349.00**

#### Mark 7 (A)

Similar to the Mark-6, but with more extended height capability and heavier weight.

Item # VEM7A .....**419.95**

#### Mark-7 Mini (A)

Thick 33mm legs make this tripod a great choice for low angle or close-up photography.

Item # VEM7MA .....**379.95**

### PROFESSIONAL MARK SERIES and CARMAGNE TRIPOD SPECIFICATIONS

MODEL #	Mark-6	Mark-7 Mini	Mark-7	Carmagne 640C
Load Capacity	16 lbs. (7.3kg)	18 lbs. (8.2kg)	18 lbs. (8.2kg)	11 lbs. (5kg)
Minimum Usable Height	12.6" (32cm)	7.3" (18.5cm)	15" (38cm)	5.8" (14.7cm)
Maximum Extension	55.9" (142cm)	24.3" (61.7cm)	70.1" (178cm)	59.8" (152cm)
Leg Sections	3	3	3	4
Center Column Sections	1	1	1	2
Folded Length	21.7" (55.1cm)	13.2" (33.5cm)	26.8" (68cm)	17.6" (44.7cm)
Weight	6 lbs. (2.75kg)	5 lbs. (2.3kg)	7.5 lbs. (3.4kg)	2.93 lbs. (1.3kg)

Subject to change without notice

### Carmagne Tripod

In response to the demand for a durable yet lightweight tripod, Velbon has produced the Carmagne series. Made of carbon fiber and magnesium alloy, this 4-section compact tripod offers superior strength and professional specifications. It is one third lighter than conventional aluminum tripods, yet strong enough to absorb vibrations. Carbon fiber is also more resilient to temperature changes and is suitable for all 35mm and most medium format cameras.

#### Carmagne 640 Tripod Leg

The 640 has a 3-position leg spread for normal, semi-low and full-low angle shooting. Its 2-section center lift column features a removable lower section for full low angle shooting. The panhead has a reversible mounting stud for either 1/4" or 3/8" camera mounts. The legs are 4-section 28mm tubular cross layered carbon fiber material. Leg locks are all rubber covered for ease of handling, and the feet are rubber tipped. With its pro black finish, this tripod is a real pro tool.

Item # VEC640 .....**439.95**



# VELBON

## TRIPODS

### ACE SERIES SPECIFICATIONS

MODEL #	Field Ace	Super Ace
Load Capacity	12 lbs. (5.4kg)	12 lbs. (5.4kg)
Minimum Usable Height	8.3" (21cm)	16.8" (42.6cm)
Maximum Extension	52.4" (133cm)	59.6" (151cm)
Leg Sections	3	3
Center Column Sections	1	1
Folded Length	22.6" (57.4cm)	22.6" (57.4cm)
Weight	5.1 lbs. (2.3kg)	5.8 lbs. (2.6kg)

*Subject to change without notice*

### Monopods

#### UP-4000 Unipod

4-section aluminum leg with waist strap, adjustable rubber foot and concealed ground spike.

**Item # VEUP4000 .....22.50**

#### UP-4DX II Unipod

Deluxe 4-section unipod with fluid tilt head and quick-release platform (QB-4L). Available with adjustable carry strap.

**Item # VEUP4DX2.....33.50**

#### PUX-3 Unipod

A heavy-duty, 3-section extruded aluminum closed channel leg unipod with self-leveling rubber foot.

**Item # VEPUX3.....43.95**

#### UP-43 Unipod

With ball and socket panhead. Deluxe 4-section compact unipod. Features tubular legs with foam covered hand grip, quick side-lever locks, rubber tipped feet and ball head.

**Item # VEUP43 .....49.50**

#### UP-40 Unipod

Same as the UP-43 Unipod, but without the ball and socket panhead.

**Item # VEUP40 .....32.95**

#### MUP-4 Unipod

Deluxe 4-section heavy-duty pro unipod with rubber hand-grip, collar leg locks and adjustable carry strap. It also has a reversible camera mounting screw.

**Item # VEMUP4.....99.95**

#### Campagne CUP-40 Carbon Fiber Unipod

This is a lightweight, strong, black finished carbon fiber monopod which is ideally suited for 35mm and most medium format cameras. With four-section 28mm tubular legs, reversible mounting stud, adjustable wrist strap and foam-rubber hand grip, the Campagne CUP-40 Unipod is a great compliment to any tripod.

**Item # VECUP40 .....198.95**

### MONOPOD SPECIFICATIONS

MODEL #	UP-4000	UP-4DXII	PUX-3	UP-43	UP-40	MUP-4	CUP-40
Weight lbs. (kg)	14.1 oz. (400g)	24 oz. (680g)	27 oz. (765g)	16oz (453g)	12.3oz. (348g)	29oz (815g)	13.8 oz (380g)
Minimum Height	20.1" (51cm)	22" (55.9cm)	25.2" (64cm)	20.5" (52cm)	18.3" (46.4cm)	19.5" (49.5cm)	19.3" (49cm)
Maximum Height	63.2" (161cm)	65.5" (166cm)	59.5" (151cm)	63" (160cm)	60.9" (155cm)	61.8" (157cm)	60.2" (153cm)

*Subject to change without notice*



### Pan Heads

#### 3-Way Panhead (PH-157Q)

All die-cast metal construction with quick release and large pan handle. 4.25" (40.8cm) tall and weight is 21 oz. (582g).

**Item #VEPH157Q .....39.95**

#### 3-Way Panhead (PH-360)

Medium size construction with sure-grip handles, side tilt control handle and bubble level. Maximum capacity is 11 lbs. Dimensions are 4 x 2.5 x 3" HWL and weight is 1.7 lbs.

**Item #VEPH360 .....75.95**

#### 3-Way Panhead (PH-260)

Metal head with separate pan/tilt and side tilt handles. Maximum capacity is 12 lbs. Dimensions are 5 x 2.5 x 3" HWL and weight is 3 lbs.

**Item #VEPH260 .....174.95**

#### Magnesium Panhead (PH-460)

Designed for Carmagne tripods but can be used with any tripod. Constructed of light weight magnesium. 3-way with separate pan/tilt and side tilt control handles. 4.25 x 3.25 x 3.75" HWL. Weighs is 1.5 lbs.

**Item #VEPH460 .....109.95**

#### Professional Panhead (PH-270)

A professional heavy-duty 3-way panhead with large indicator markings and two bubble levels. Large handles makes it convenient for large format cameras. Dimensions are 3.5" (8.9cm) wide, 6.5" (16.5cm) high and weighs 54oz (1532g). Also designed for Mark series tripods.

**Item #VEPH270 .....196.50**

#### Vel-Flo 10 (PH-268R)

Heavy-duty 2-way fluid pan-head with "Camera Safe" quick-release system (QB-6R), bubble level, reversible control handle and separate pan/tilt locks. All die cast metal construction. Maximum weight capacity is 12 lbs. (815g). Dimensions are 4 x 3 x 3" (10.2x7.6x7.6cm) HWL and weighs 1.8 lbs. (815g).

**Item #VEPH268R .....89.95**



# VELBON

## TRIPODS

### Ball Heads

**Compact Ball Head Socket (PH-243)**  
Mini compact ball head with single lever operation. Maximum weight capacity is 3 lbs. (1.4 kg). 2" (5cm) high and weighs 5 oz (141g).  
**Item #VEPH243 .....21.95**



Magnesium Ball Head Medium (PH-253)

**Magnesium Ball Head Medium (PH-253)**  
Made of die-cast magnesium for light weight and strength. Single lever operation with panning. 3.2" (8.1cm) high and weighs 6oz (170g).  
**Item #VEPH253 .....54.95**

**Medium Ball Socket Head (PH-163)**  
Medium size ball head with single lever operation. Maximum capacity is 11 lbs. (5kg). 4" tall and weighs 20.7oz (587g).  
**Item #VEPH163 .....69.95**

**Ball Head (PH-163Q)**  
With quick release.  
**Item #VEPH163Q .....106.50**

**Large Ball Head Socket (PH-173)**  
Pro sized ball head for use with all 35mm and medium format cameras. Maximum weight capacity is 15 lbs. (6.8kg). Weighs 1.6 lbs. (725g) and is 5" (12.7cm) tall.  
**Item #VEPH173 .....79.50**

**Large Ball Head Socket (PH-173Q)**  
With quick release.  
**Item #VEPH173Q .....121.95**

### Miscellaneous Accessories

**Magnesium Alloy Quick-Release Adapter (QRA-635)**  
Specifically designed for 35mm cameras, this amazingly light adapter features an extra wide mounting platform. The camera pad is reversible. It has a flanged edge to prevent camera slippage when shooting vertically and is reversible when not needed. It features a "Camera Safe" slide mounting quick-release platform with "Auto Lock" retaining system. Its dimensions are 4.1 x 2.2" (10 x 5.6cm) and weighs just 4.3 oz. (122g).  
**Item #VEQRA635 .....39.95**

**Quick-Release Adapter Plate (QB-635)**  
Additional, for QRA-635.  
**Item #VEQB635 .....22.95**

**Magnesium Alloy Quick-Release Adapter (QRA-667)**  
Same as QRA-635, but for 6x6 and 6x7 cameras. Weighs 5oz (146g).  
**Item #VEQRA667 .....49.95**

**Quick-Release Adapter Plate (QB-667)**  
Additional, for QRA-667.  
**Item #VEQB667 .....29.95**

**DL-7 Dolly**  
All metal construction dolly with rubber wheel casters and carry strap. Ideally suited for most heavy-duty tripods. Folds compactly for storage. Folded dimensions are 7 x 7 x 26" (17.8x17.8x66cm) HWL. Its maximum capacity is 15 lbs. (6.8kg) and it weighs 8.5 lbs. (3.9kg).  
**Item #VEDL7 .....149.95**

**DL-10 Lightweight Dolly**  
A lightweight dolly for standard size tripods. Features a flip-up caster system which converts dolly into a stationary platform. Collapses small for storage. Collapsed dimensions are 6 x 6 x 24" (15x15x61cm) HWL. Maximum capacity is 11 lbs. (5kg) Weighs 1.5 lbs. (680g).  
**Item #VEDL10 .....47.95**

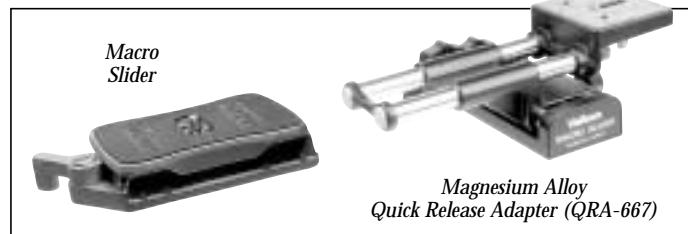
**Tripod Weight-Bag**  
This functional apron fits beneath any Velbon tripod and can be filled with rocks or weights to provide additional support for tripod stability. Comes with the Carmagne 630 and 640 tripods.  
**Item # .....T.B.A.**

**Quick Leveler**  
Installs between panhead and leg. Tilts 15° from level in any direction for precise positioning. Dimensions: 2x2" (5x5cm).  
**Item #VEQL .....27.95**

**Macro Slider**  
Macro stage for precise 4-way camera alignment. Maximum weight capacity is 8 lbs. (3.6kg). Dimensions are 2.5 x 4.6 x 7.6" (6.4x11.7x19.3cm) HWL and weighs 24 oz. (680g).  
**Item # VEMSQ .....89.95**

**Super Arm-7**  
Geared horizontal arm. 4.5 x 13.75" (11.4 x 35cm) H.L. for close-up or copy work. By adding a ball or panheads, two cameras may be mounted on the assembly. Weighs 3 lbs. (1.4kg).  
**Item # VESA7 .....319.95**

**Super Plate (SP)**  
Two-camera mounting plate with all metal construction-which attaches to panhead. Maximum weight capacity is 10 lbs. Dimensions are 1 x 2 x 8" (2.5 x 5 x 20cm) HWL and weighs 14 oz. (396g).  
**Item # VESP .....56.50**



### QUICK RELEASE PLATES

MODEL #	FITS	ITEM #	PRICE
QB-4I	PH-148, PH-248, UP-4DX, UP-4DX II	VEQB4L	5.95
QB-4LC	PH-446 (DF-10ML, DF-40, CX-440)	VEQB4LC	7.95
QB-4W	PH-249Q, (DF-50, CX-544) PH-359Q	VEQB4W	5.95
QB-5L	PH-258, PH-252Q, QRA-5, PH-156Q (VICTORY 450 and 550), PH-556Q	VEQB-5L	8.50
QB-5LC	PH-656Q, (CX-540, CX-640) PH-458 (CX-580) PH-468 (CX-680)	VEQB5LC	7.95
QB-5W	PH-159Q, (DF-60, CX-684)	VEQB5W	8.50
QB-5RL	PH-358	VEQB5RL	8.50
QB-6	PH-268R	VEQB6	11.95
QB-6RL	PH-368 (CX-687)	VEQB6RL	8.95
QB-157	PH-157Q	VEQB157	13.95
QB-635	QRA-635, PH-163Q	VEQB635	22.95
QB-667	QRA-667, PH-173Q	VEQB667	29.95

*Brom tripods are wooden tripods, precision made in Germany, of ashwood. Why wood tripods? Wood absorbs vibration, metal transmits it. Wood is weather-wise, it wears well, it feels good to the touch. It*

*is the tripod material of choice for astronomers, surveyors and the construction trades. Equipped with center posts, it is becoming the choice of still and video/cine photographers. Ashwood legs lock individually. Brom Tripods are available in various styles, with tilting post and extra height. All tripods, except the top-of-the-line Master tripod, have a 1.9" (4.7cm) diameter mounting plate with a 3/8" screw. The Master tripod has a large 3.3" (8.3cm) mounting plate.*



### Tripod Legs

#### Kadette Tripod (1105)

A medium-duty tripod, suitable for cameras up to 4x5. A favorite of outdoor photographers.

**Item # BRTKQ .....186.50**

#### Tilt Kadette Tripod (1104)

Same as above, with a ball tilt center post.

**Item # BRTTK .....233.95**

#### Kadette Hi Rise Tripod (1108)

Same as Kadette tripod, with longer legs and center post.

**Item # BRTKHR .....198.95**

#### Sentry Tripod (1106)

A medium-duty tripod, suitable for cameras up to 8x10".

**Item # BRTS .....177.50**

#### Tilt Sentry Tripod (1107)

Same as Sentry tripod, with a ball tilt center post.

**Item # BRTTS .....222.50**

#### Sentry Hi Rise Tripod (1102)

Same as Sentry tripod, with longer legs and center post.

**Item # BRTSHR .....189.95**

#### Tilt Sentry Hi Rise Tripod (1103)

Same as Tilt Sentry tripod, with longer legs and center post.

**Item # BRTTSHR .....236.50**

#### Master Tripod (1101)

Heavy-duty wood tripod with rack and pinion center post in a surveilling ball in socket mount. Holds cameras up to 16x20".

**Item # BRTM .....285.95**

### Panheads

#### Brom Master Panhead (1113)

A heavy-duty panhead, suitable for support work up through 8x10 format. The 3x5x.5" (7.6x12.7x1.3cm) platform features interchangeable 1/4" and 3/8" camera locking screws. The 3/8" socket in the base of the panhead makes it suitable for most tripod legsets throughout the world. It has rugged controls for each of the three conventional movements. Height is 4.5" (11.4cm), weight 3 lbs. (1.4kg).

**Item # BRPHM .....174.95**



### Miscellaneous Accessories

#### Majestic Adapter (1112)

Fits Majestic 1 1/4" head to 3/8" stud. Weighs 7 oz. (198g).

**Item # BRAM38 .....48.95**

#### Adapter Bushing (1631)

Stainless steel bushing adapts 3/8" head to 1/4" stud.

**Item # BRB.2538SS .....8.95**

#### Adapter Platform (1114)

2.75" diameter plate adapts 3/8" head to 1/4" stud. Weighs 5 oz. (142g).

**Item # BRB38.25Q .....27.95**

### BROMWELL WOODEN TRIPOD SPECIFICATIONS

MODEL	Kadette	Tilt Kadette	Kadette HR	Sentry	Tilt Sentry	Sentry HR	Tilt Sentry HR	Master
Load Capacity	15 lbs. (6.8kg)	15 lbs. (6.8kg)	15 lbs. (6.8kg)	15 lbs. (6.8kg)	15 lbs. (6.8kg)	15 lbs. (6.8kg)	15 lbs. (6.8kg)	40 lbs. (18.2kg)
Minimum Usable Height *	20" (166cm)	20" (166cm)	20" (166cm)	20" (166cm)	20" (166cm)	20" (166cm)	20" (166cm)	39" (99cm)
Maximum Extension	65.5" (166cm)	66.5" (159cm)	87" (221cm)	65.5" (166cm)	66.5" (169cm)	79.9" (203cm)	88.3" (224cm)	70" (178cm)
Leg Sections	3	3	3	2	2	2	2	2
Center Column	1	1	1	1	1	1	1	1
Folded Length	26.5" (67cm)	27.5" (70cm)	34.6" (88cm)	31.5" (80cm)	32.5" (83cm)	39.4" (100cm)	39.4" (100cm)	39" (99cm)
Weight	5.5 lbs. (2.5kg)	6 lbs. (2.7kg)	7 lbs. (3.2kg)	6.5 lbs. (2.9kg)	7 lbs. (3.2kg)	7.3 lbs. (3.3kg)	7.8 lbs. (3.5kg)	17 lbs. (7.7kg)

*Subject to change without notice*

# ARCA SWISS

## TRIPOD ACCESSORIES

*Ever since their introduction over thirty years ago, the Arca Swiss Monoballs have been at the forefront of quality and performance. Today, Arca Swiss continues its tradition of innovation and leadership by introducing major technological breakthroughs in Monoball design.*

*The axial clamping mechanism provides higher load capacity and prevents even the slightest migration when the camera is locked into position. A separate control is set to apply a constant minimum friction.*

*The progressive cushioning feature counteracts the effect of weight transfer when the camera is tilted. It is especially useful with heavy cameras. In actuality, there are two types of ballheads available. a) The B1 Series design, which is a single axis rotation with one locking knob; b) the B2 design, which is built on the double axis rotation, allowing movement around two distinct axes due to two separate balls encapsulated into one another and two individual locking knobs. The B1 Series single action ballhead is sold various ways. The "b" economic model, without panning capabilities, the B1 Standard with panning capabilities and the "G" (gross) large model, all sold with different camera mounting devices. All Arca ballheads mount onto  $\frac{3}{8}$ " tripod screw.*



Arca Monoball B1 with and without a quick release

### Monoballs

**Monoball B1e with  $\frac{1}{4}$ " Camera Mounting Screw (8010131)**  
Basic B1 single axis ballhead. Economic model, without panning capabilities.  
**Item # ARB1E.25.....302.95**

**Monoball B1e with  $\frac{3}{8}$ " Camera Mounting Screw (8010111)**  
Same as above, with  $\frac{3}{8}$ " camera mounting screw.  
**Item # ARB1E38.....302.95**

**Monoball B1e with Quick Set Device (8010011)**  
A basic B1 single axis ballhead. This is an economical model, without any panning capabilities. Complete with quick release feature for mounting and unmounting cameras in a hurry. (Requires camera mounting plate).  
**Item # ARB1EQR.....289.95**

**Monoball B1 with  $\frac{1}{4}$ " Camera Mounting Screw (8010132)**  
A heavy-duty B1 standard single axis ballhead, with panning capabilities.  $\frac{1}{4}$ " camera mounting screw.  
**Item # ARB114.....378.95**

**Monoball B1 with  $\frac{3}{8}$ " Camera Mounting Screw (8010112)**  
A heavy-duty B1 standard single axis ballhead, with panning capabilities.  $\frac{3}{8}$ " camera mounting screw.  
**Item # ARB138.....378.95**

**Monoball B1 with Quick Set Device (8010012)**  
A B1 standard single axis ballhead, with panning capabilities. The quick release feature allows for mounting and unmounting cameras in a hurry. (Requires camera mounting plate.)  
**Item # ARB1QR.....379.95**

**Monoball B1g with  $\frac{3}{8}$ " Camera Mounting Screw (8010113)**  
Same as above, with  $\frac{3}{8}$ " camera mounting screw.  
**Item # ARB1G38.....496.95**

**Monoball B1g with Quick Set Device (8010014)**  
An enlarged B1 single axis ballhead with panning capabilities. Complete with quick release feature for mounting and unmounting cameras in a hurry. (Requires camera mounting plate.)  
**Item # ARB1GQR.....479.95**

**Monoball B2 with Quick Set Device (8010013)**  
A B2 double axis ballhead with two tightening knobs, panning capabilities and quick release feature for mounting and unmounting cameras in a hurry. (Requires camera mounting plate.)  
**Item # ARB2QR.....649.95**

#### ARCA-SWISS MONOBALL SPECIFICATIONS

Model	Load Capacity	Height	Weight
Monoball B1e	90 lbs. (40kg)	4.3" (10.9cm)	1.4 lbs. (650g)
Monoball B1e (QS)	90 lbs. (40kg)	4.5" (11.4cm)	1.7 lbs. (748g)
Monoball B1	90 lbs. (40kg)	4.3" (10.9cm)	1.4 lbs. (650g)
Monoball B1 (QS)	90 lbs. (40kg)	4.5" (11.4cm)	1.7 lbs. (748g)
Monoball B1g	200 lbs. (90kg)	5.8" (14.7cm)	3.3 lbs. (1496g)
Monoball B1g (QS)	200 lbs. (90kg)	6" (15.2cm)	3.5 lbs. (1588g)
Monoball B2	150 lbs. (68kg)	5" (13cm)	3.4 lbs. (1500g)

Subject to change without notice

# ARCA SWISS/BILORA

## TRIPOD ACCESSORIES

### Quick Release Adapter

Arca Swiss quick release adapters are designed for tripods and heads that come without a quick release feature. These adapters will allow the photographer to mount and unmount cameras in a hurry. These release adapters fit all tripods and heads. They are available in both 3/8" and 1/4" screws.

**84mm Quick Release Adapter 3/8" (802000)**  
Fits onto tripods with 3/8" screw. 3.3" long (8.4cm) and weighs 6.4 oz. (181g). (Requires camera mounting plate.)  
**Item # ARQRP3884.....116.95**

**84mm Quick Release Adapter 1/4" (802001)**  
Fits onto tripods with 1/4" screw. 3.3" long (8.4cm) and weighs 6.4 oz. (181g). (Requires camera mounting plate.)  
**Item # ARQRP1484.....116.95**

**60mm Quick Release Adapter 3/8" (802002)**  
Fits onto tripods with 3/8" screw. 2.7" long (6cm) and weighs 4.8 oz. (136g). (Requires camera mounting plate.)  
**Item # ARQRP3860.....112.95**

**60mm Quick Release Adapter 1/4" (802003)**  
Fits onto tripods with 1/4" screw. 2.7" long (6cm) and weighs 4.8 oz. (136g). (Requires camera mounting plate.)  
**Item # ARQRP1460.....112.95**

### Base Plate

A 7.9" (20cm) diameter plate that attaches to the bottom of any ballhead, pan head or camera, allowing head or camera to be used from a very low level or table top.

**1/4" Ground Plate (810002)**  
With 1/4" mounting screw.  
**Item # ARGP.25.....187.95**

**3/8" Ground Plate (810001)**  
With 3/8" mounting screw.  
**Item # ARGP38.....187.95**

### Quick Release Plates

**Universal Camera Plate (8020101)**  
With 1/4" camera mounting screw.  
**Item # ARQRP.25.....44.95**

**Universal Camera Plate (802010)**  
With 3/8" camera mounting screw.  
**Item # ARQRP38.....44.95**

**Universal Camera Plate Small (802009)**  
With 1/4" camera mounting screw.  
**Item # ARQRP.25S.....44.95**

**Hasselblad Camera Plate (802011)**  
With 1/4" camera mounting screw.  
**Item # ARQRPH.25.....44.95**

**Hasselblad Camera Plate (802021)**  
With 3/8" camera mounting screw.  
**Item # ARQRPH38.....44.95**

**Rollei Camera Plate (802022)**  
**Item # ARQRPR.....44.95**

**Mamiya RB67 Camera Plate (802024)**  
**Item # ARQRPMRB.....44.95**

**Small Camera Plate (802025)**  
24 x 36mm.  
**Item # ARQRP35.....44.95**

**Canon Camera Plate (802030)**  
Camera plate for long Canon lenses, 55mm or longer. Two 1/4" size screws, 39mm apart.  
**Item # ARQRPC.....53.95**

**Nikon Camera Plate (802031)**  
Camera plate for long Nikon lenses, 84mm or longer. Two 1/4" size screws at a variable distance of 32-38mm.  
**Item # ARQRPN.....53.95**

**Leica Camera Plate (802026)**  
With 1/4" camera mounting screw.  
**Item # ARQRPL.25.....48.95**

**Leica Camera Plate (8020261)**  
With 3/8" camera mounting screw.  
**Item # ARQRPL38.....48.95**

**Medium Format Camera Plate (802032)**  
Camera plate for medium format cameras, 55mm or longer. Two 1/4" size screws, 12mm and 27.5mm from one end of the camera plate.  
**Item # ARQRP3.....53.95**

**Long 150mm Camera Plate (802050)**  
Two 1/4" size screws. Adjustable.  
**Item # ARQRP150.....73.95**

## BILORA BALLHEADS

**Bilora ballheads, made in Germany, are both professional and economical. They are made of all metal aluminum and feature large plastic knobs. The heads mount onto tripods with 1/4" size screw.**

**Medium Ballhead (1030)**  
With 1/4" size camera and tripod mounting screw. Has a 50mm diameter mounting plate, and with its 1/4" threaded base fits many tripods. Has full 360° panoramic movements with one large locking knob for pan and tilt movements. Height is 4.2" (10.7cm) and weighs 15 oz. (426g).  
**Item # BIBH1030.....49.95**

**Large Ballhead (1050)**  
With 1/4" size camera and tripod mounting screw. The large ballhead has a 65mm diameter mounting plate. Its 1/4" threaded base fits many tripods. Has full 360° panoramic movement, with a separate locking handle for tilt and a knob for panoramic movement. Height is 4.3" (11cm) and weighs 18.6 oz. (528g).  
**Item # BIBH1050.....89.95**





*Foba Superball, made with precision, is one of the strongest fixation devices on the market today. Large locking levers make the heads very easy to handle. They lock down firmly with just a twist.*

*User-adjustable tension allows fine-tuning the performance of the ball to suit the shooting situation, as well as to compensate for wear over the life of the ball, which sits in a Teflon collar for smooth rotation.*

### Superballs

#### Mini Superball (33-0400)

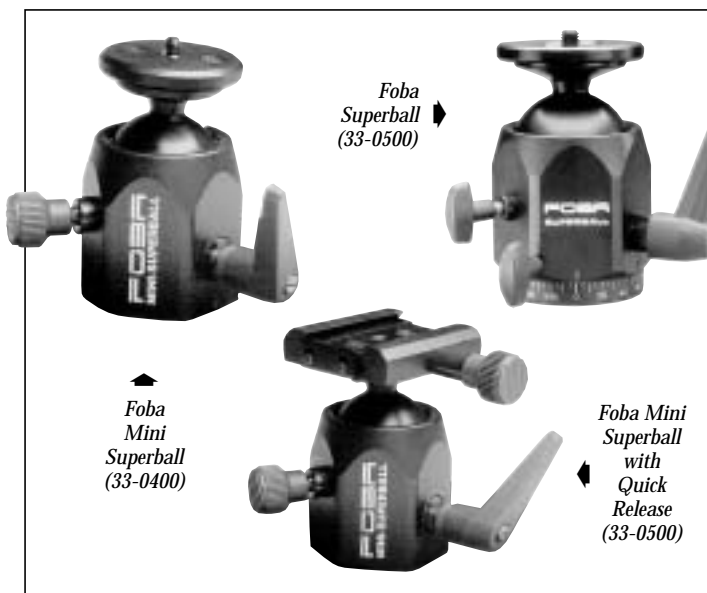
With standard head and  $\frac{3}{8}$ " size camera mounting screw. Compact, without panning capabilities. Maximum load capacity 12 lbs. (5.4kg) with a base diameter of 2.5" (6.4cm). Height is 3.9" (9.9cm) and weight 20 oz. (550g).

Item # FOSBM .....239.00

#### Superball (33-0500)

With standard head,  $\frac{1}{4}$ " and  $\frac{3}{8}$ " camera mounting screws. A heavy-duty ballhead with 360° panning capabilities. Maximum load capacity 25 lbs. (11.3kg), with a base diameter of 3" (7.6cm). Height is 5" (12.7cm) and weight 46 oz. (1290g).

Item # FOSB .....449.00



#### Mini Superball with Quick Release (33-0404)

Same features as the Mini Superball, with a quick release plate that allows changing cameras quickly and easily. Head includes a removable safety stopper. Specs are approximately the same as for the Mini Superball. (Requires camera mounting plate.)

Item # FOSBMR .....295.00

#### Superball with Quick Release (33-0505)

Same features as the Superball, with a quick release plate to change cameras quickly. Head includes a removable safety stopper. Specs are approximately the same as for the Superball.

Item # FOSBQR .....469.00

### Superball Accessories

#### Universal Plate for Mini Superball (33-0517)

A 2" (51mm) diameter plate with reversible  $\frac{1}{4}$ " and  $\frac{3}{8}$ " screws. With this plate, the Mini Superball, with Quick Release (33-0404), can be converted to a Standard Mini Superball (33-0400). (Replacement for Mini Superball.)

Item # FOUPMSB .....54.00

#### Universal Plate for Superball (33-0511)

A 3" (76mm) diameter plate with reversible  $\frac{1}{4}$ " and  $\frac{3}{8}$ " screws. With this plate the Superball, with Quick Release (33-0505), can be converted to a Standard Superball (33-0500). (Replacement for Superball.)

Item # FOUPSB .....54.00

#### Quick Release for Mini Superball (33-0518)

A quick release adapter that allows changing of cameras quickly and easily. With this adapter, the Mini Superball (33-0400) can be converted to a Mini Superball with Quick Release (33-0404). Requires camera mounting plate, sold separately. (Replacement for Mini Superball with quick release.)

Item # FOQRHMSB .....93.95

#### Quick Release for Superball (33-0513)

Same as above, but larger. With this adapter, the Superball (33-0500) can be converted to Superball with Quick Release (33-0505).

Requires camera mounting plate, sold separately. (Replacement for Superball with Quick Release.)

Item # FOQRHSB .....122.95

#### Panorama Adapter (33-0514)

For use on either Mini Superball. Allows rotation of the camera (top) plate at any angle, in addition to the base rotation.

Item # FOPA .....219.95

#### Panoramic Base for Mini Superball (33-0519)

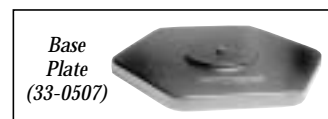
Provides 360° calibrated panning at base of Mini Superball.

Item # FOPB .....138.95

#### Base Plate (33-0507)

With  $\frac{3}{8}$ " size screw. A 9" (23cm) diameter hexagon plate that attaches to the bottom of any ballhead, pan head or camera, allowing the head or camera to be used from a very low level or tabletop.

Item # FOBP .....116.95





# FOBA/BROM/SCHOON/SACHTLER

## TRIPOD ACCESSORIES

### Quick Release Plates

**Universal Quick Release Plate (33-0510)**  
With 1/4" size camera mounting screw.  
**Item # FOQRP.25.....54.00**

**Universal Quick Release Plate (33-0512)**  
With 3/8" size camera mounting screw.  
**Item # FOQRP38.....54.00**

**35mm Quick Release Plate (33-0508)**  
With 1/4" size camera mounting screw.  
**Item # FOQRP35.....54.00**



**Hasselblad Quick Release Plate (33-0506)**  
With 1/4" size camera mounting screw.  
**Item # FOQRPH.25.....54.00**

**Hasselblad Quick Release Plate (33-0509)**  
With 3/8" size camera mounting screw.  
**Item # FOQRPH38.....54.00**

**Mamiya Quick Release Plate (33-0515)**  
With 3/8" size camera mounting screw.  
**Item # FOQRPM.....54.00**

**Sinar A1 Quick Release Plate (33-0516)**  
With 3/8" size camera mounting screw.  
**Item # FOQRPSA1.....53.95**

## BROM, SCHOON, SACHTLER

### Ballheads

Both Schoon and Brom Schoon ballheads mount onto 3/8" size tripod screw.



**Schoon Medium Ballhead (1181)**  
With 3/8" size camera mounting screw. One of Western European finest ballheads. 2" (52mm) ball with one knob to control friction, a larger knob to lock the ballhead and a separate lock for panning. Has a 2.8" (72mm) diameter mounting plate that will fit on 3/8" tripods. Height is 4.4" (11cm) and weighs 25 oz. (700g).  
**Item # SCBHM.....279.95**

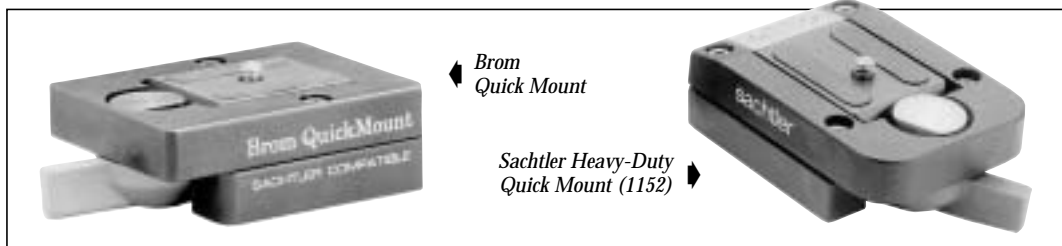
**Brom Schoon Medium Ballhead (1184)**  
With quick release, 1.7x1.2" (4.5x3cm) quick release camera plate and 1/4" size screw. Same as above, modified with a Brom-Sachtler compatible quick release head for quick mounting and unmounting cameras. Height is 4.7" (12cm) and weighs 28 oz. (796g).  
**Item # SCBHMQR.....338.95**

### Quick Release Adapter

Mounting and unmounting a camera - particularly a large one - on a tripod can be a nuisance. The two Quick Mounts cut this operation down to size. Both have a spring-loaded, quick action lever on the baseplate which allows for easy insertion of the camera plate. In the Brom Quick Mount set, this lever is held open manually; in the Heavy-Duty Sachtler it remains cocked in the open position and locks automatically when the camera plate contacts the baseplate. These truly live up to their title of "Quick" mount.

**Brom Quick Mount (1155)**  
With 1.2x1.7" (31x45mm) camera plate and 1/4" size screw. A Sachtler compatible all-metal quick mount. Fits onto 1/4" or 3/8" tripod screw. 3x2.2x1" L.W.H. (76x57x26mm) and weighs 6 oz. (170g).  
**Item # BRQR.....118.95**

**Sachtler Heavy-Duty Quick Mount (1152)**  
With 2.6x3" (65x78mm) camera plate and 3/8" size screw. A larger quick mount, it fits onto 3/8" tripod screw. 4.8x2.9x1.2" L.W.H. (12.3x7.4x3cm) and weighs 13 oz. (366g).  
**Item # SAQRHD.....394.95**

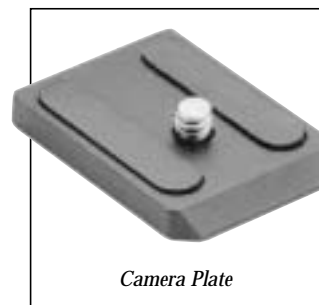


### Camera Plates

**Camera Plate (1151)**  
With 1/4" size screw. A 1.2 x 1.7" (31 x 45mm) camera plate. Additional or replacement plate for Brom Schoon medium ballhead and Brom quick mount.  
**Item # SAQRP.25.....39.00**

**Camera Plate (1154)**  
Same as the Camera Plate (1151), with 3/8" screw.  
**Item # BRQRP38.....38.95**

**Camera Plate (1153)**  
With 3/8" size screw. A 2.6 x 3" (65 x 78mm) camera plate. Additional or replacement plate for Sachtler heavy-duty quick mount.  
**Item # SAQRPHD.....88.95**



### Ball Heads

*Small Professional Ball Head (20-6017)*



**Small Ball Head (20-6013)**  
With single locking knob for ball and pan, 1/4" size camera screw, 3/8" tripod socket with 1/4" adapter. Base diameter is 0.9" (24mm), height 2" (50mm) and weight 1.8 oz. (50g).  
**Item # KABHS .....29.95**

**Medium Ball Head (20-6018)**  
With single locking knob for ball and pan, 1/4" size camera screw, 3/8" tripod socket with 1/4" adapter. Base diameter is 1.2" (30mm), height 2.6" (67mm) and weight 3.9 oz. (110g).  
**Item # KABHM.....33.50**

**Small Professional Ball Head (20-6017)**  
With 1/4" size camera screw, 3/8" tripod screw with 1/4" adapter. A medium weight version professional ball head, sitting on a fluid system panoramic base, with a separate locking knob for ball and pan. Maximum load capacity is 10 lbs. (4.5kg), head or base diameter 1.8" (45mm), height 3.6" (93mm) and weight 10.5 oz. (296g).  
**Item # KABHPS.....69.95**

*Medium Professional Ball Head (20-6011)*



**Medium Professional Ball Head (20-6011)**  
With reversible 1/4" and 3/8" camera screw, 3/8" tripod screw with 1/4" adapter. A heavy weight professional ball head, with the same panoramic base as above, with a large locking knob for ball, plus an adjustable friction brake for fine setting and a separate panning locking knob. Maximum load capacity is 18 lbs. (8.1kg), head or base diameter 2.2" (56mm), height 4.6" (116mm) and weight 22.7 oz. (644g).  
**Item # KABHPM.....199.95**

**Large Professional Ball Head (20-6012)**  
With reversible 1/4" and 3/8" size camera screw, 3/8" tripod screw with 1/4" adapter. Same as above, but heavier, with a maximum load capacity of 22 lbs. (10kg). Head of base diameter is 3" (76mm), height 5.5" (14cm) and weight 45 oz. (1236g).  
**Item # KABHPL.....239.95**

*Large Professional Ball Head with Quick Release (20-6014)*



**Large Professional Ball Head with Quick Release (20-6014)**  
With 3.5x2.8" (88x72mm) quick release camera plate, 1/4" and 3/8" size screws and 3/8" tripod screw with 1/4" adapter. Same large ball head, with a built on Pro Quick Release head for mounting and unmounting cameras quickly. The quick release has two bubble levers built in on its side for both axis, plus an optional anti-theft feature. (An optional lock and key is available.) Base diameter is 3" (76mm), height 5.9" (15cm) and weight 52 oz. (1464g).  
**Item # KABHPLQR.....319.95**

### Quick Release Adapters

Kaiser has two types of quick release adapters. Both have a spring-loaded, quick-action lever on the base plate which allows easy insertion of the camera plate. In the small quick release, this lever is held open manually; in the professional model it remains cocked in the open position and locks when pressure from the camera plate is placed on the base plate.

**Small Quick Release (20-6021)**  
With 1.6 x 1.6" (41 x 41mm) camera plate, and 1/4" size screw. The small quick mount fits onto 1/4" tripod screw. Measures 2.4 x 1.9 x .9" (62 x 48 x 22mm) L.W.H.  
**Item # KAQRS.....27.50**

**Small Quick Release (20-6023)**  
Same as above, with a thicker base to accept an optional flash lighting unit bracket. 3.3 x 2.4 x 1" (85 x 60 x 25mm) L.W.H.  
**Item # KAQRL .....36.95**

**Flash/Lighting Unit Bracket (20-6024)**  
With shoe for mounting flash or misc. lighting equipment.  
**Item # KABSQR .....19.95**

**Small Quick Release Camera Plate (20-6022)**  
With 1/4" screw. Dimensions 1.6 x 1.6" (41 x 41mm). Replacement for 20-6021 and 20-6023.  
**Item # KAQRPS.....19.95**



**Pro Quick Release (20-6025)**  
With 3.5x2.8" (88x72mm) quick release camera plate, 1/4" and 3/8" size camera screws, and 1/4" and 3/8" tripod screws. Has two bubble levers for both axes built on its side. Also has an anti-theft feature. (An optional lock and key can be purchased to lock your valuable camera to your tripod.) Measures 3.5 x 2.8 x 1.3" (90 x 72 x 32mm) L.W.H. and weighs 11.4 oz. (322g).  
**Item # KAQRP .....124.95**

**Pro Quick Release Camera Plate (20-6026)**  
With 1/4" and 3/8" size screws. Dimensions 3.5 x 2.8" (88 x 72mm). Replacement for above models 20-6025 and 20-6014.  
**Item # KAQRPP.....44.95**

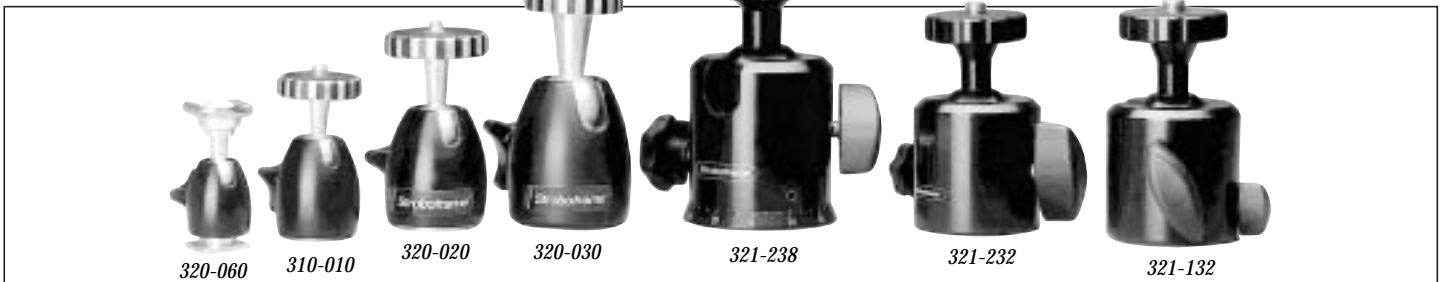
**Lever Locking Pin System (20-6027)**  
A lock and key to lock camera plate 20-6026 to Pro Quick Release or large ball head with quick release.  
**Item # KALLPSQR.....27.50**



# STROBOFRAME

## TRIPOD ACCESSORIES

*These German-made ballheads are fully machined and beautifully finished for smooth operation and non-slip hold. Full movement allows virtually any camera position, including verticals. A single knob locks tilt and panning movements.*



### Ball Heads

#### Shoe Mount

##### Flash Ballhead (320-060)

With shoe mount and 1/4" screw, accessory shoe mount ball and socket, head, 360° rotation for accurate aim of flash units or slaves. Mounts in camera hot shoe or on tripod and accepts all shoe-type flash units or shoe-mounted accessories. Height 2", weight 1 oz.

**Item # STBHSM.....19.95**

##### Compact Ballhead (320-010)

With 1/4" camera and tripod screw. Used with compact cameras. Head or base diameter is approximately 1.2" (30mm), height is 2.5" (6cm) and weight 2.8 oz. (80g).

**Item # STBHC.....16.95**

##### Standard Ballhead (320-020)

With 1/4" camera screw, 3/8" tripod screw and 1/4" adapter. Slightly larger than compact model above. Head or base diameter is approximately 1.5" (38mm), height is 2.8" (72mm) and weight 5.8 oz. (162g).

**Item # STBHS.....29.50**

##### Deluxe Studio Ballhead (320-030)

With 1/4" camera screw, 3/8" tripod screw and 1/4" adapter. Larger than standard ballhead. Head diameter is the same as standard ballhead. Base diameter is 1.7" (45mm), height is 3.8" (95mm), weight 10.8 oz. (308g).

**Item # STBHD.....44.95**

Entirely new line of ballheads from the same German craftsmen who make our Classic line. Onyx series heads feature multiple control options, contemporary cylindrical shape and deep, durable all-black finish. Large camera platforms have slip-resistant, knurled surface. Each head has reversible camera stud and tripod socket (1/4"-20 or 3/8").

##### Ballhead PL-1 (321-132)

Heavy-duty ball head with large knobs for pan and tilt control. Camera platform diameter is 1.5" (38mm), base diameter 1.9" (5cm), height 3.8" (9.5cm) and weight 10.9 oz. (309g).

**Item # STBHOPL1.....59.95**

### Onyx Series Ball Heads

##### Ballhead FL-2 (321-232)

Same as PL-1, without pan control, but with adjustable friction control. Camera platform and base diameter is the same as PL-1, height is 4.3" (10.8cm) and weight 11.2 oz. (318g).

**Item # STBHOFLL2.....82.95**

##### Ballhead Pro-3 (321-238)

A deluxe heavy-duty ballhead with lock, friction and pan controls. All controls and pan calibrations are beautifully laser engraved in high visibility white. Camera platform is 2" (5cm), base diameter 2.4" (6cm) and weight 18.4 oz. (522g).

**Item # STBHOP3.....154.95**

### Quick Release

#### Camera Auto Quick Release "QRC" (300-QRC)

A low profile camera quick release with one-touch off/auto-on capability. For use on any tripod, copystand or studio stand for quick release of cameras or brackets. Accepts Anti-Twist AT plates, which are recommended for exact camera registration. Maximum load capacity is 6.5 lbs. (3kg).

**Item # STQRC.....56.50**

#### Accessory Mounting Plate (300-PLT)

Replacement for Camera Quick Release QRC.

**Item # STQRP.....14.95**



#### Accessory Base (300-BASE)

Replacement base for Camera Quick Release QRC.

**Item # STBUQRC.....47.50**

### Vertaflip PHD

#### Vertaflip PHD-Professional Heavy-Duty (300-115)

Accepts all hand-held cameras. Allows rapid camera rotation from horizontal to vertical with no change of lens position. For use on tripods, camera stands and copystands. Accepts System 2000 Anti-Twist (AT) Plates and Camera Auto Quick Release (300-QRC). Dimensions are 4x5.3x3" (10.2x13.4x7.6cm) and weighs 11.5 oz. (326g).

**Item # STVFPHD.....43.44**



# GRAF-STUDIO BALL

## TRIPOD ACCESSORIES



Studioball  
with Quick  
Release  
(SBQR)

*The Graf-Studioball is a real Ballhead for work in studios and outdoors. Graf-Studioball ensures absolute and rock-steady support, even for heavy cameras or tele-lenses. The ball diameter of 68mm allows smooth and pin-point positioning in any selected position. In addition, Graf-Studioball is equipped with a dual friction knob and has Independent lockable 360° panorama-base (2 x 180° scale with 5° divisions). Graf-Studioball is available in two models.*

### Standard Studio Ball Heads

#### Studioball with Round Camera Plate (SB-14)

With reversible  $\frac{1}{4}$ " and  $\frac{3}{8}$ " camera and tripod screw. Designed with a 2" (50mm) camera plate, Polaroid camera backs can be used without any obstruction. Maximum load capacity is 40 lbs. (18.2kg), base diameter is 3.5" (88cm), height approximately 6" (15cm) and weight 3 lbs. (1.4kg).

Item # STSB.25 .....299.00

#### Studioball with Quick Release (SBQR)

Same features as above, with a built-in professional quick release head, which has a special feature of an added safety lock when used with Studioball camera plates. Will lock plate even if locking knob is loose. Base diameter is 3.5" (88cm), height approximately 6" (15cm) and weight 3.7 lbs. (1.7kg). (Requires mounting plate.)

Item # STSBQR.....319.95

### Mini Studio Ball Heads

A mini version of the full-size Studioball without panning capabilities. These Mini Studioballs will support 35mm and medium format cameras up to 13 lbs. (5.9kg). A 1 $\frac{1}{2}$ " (42mm) head assures smooth and pin-point positioning of your camera. The dual function friction knob allows for minute adjustments of the camera prior to shooting as well as assuring that the camera will not fall over if the main locking knob comes undone. These Mini Studioballs are ideal for backpackers or anyone concerned with weight or size.



Mini Studioball with  
Quick Release (MIQR) shown  
with optional mounting plate

#### Mini Studioball with Round Camera Plate (M14)

With reversible  $\frac{1}{4}$ " and  $\frac{3}{8}$ " camera and tripod screw. Due to its narrow 1 $\frac{1}{2}$ " (42mm) camera plate, Polaroid backs for 35mm and 2 $\frac{1}{4}$ " cameras can be used without any problem. Maximum load capacity is 13 lbs. (5.9kg), base diameter is 2 $\frac{1}{2}$ " (64mm), and its height is approximately 4 $\frac{1}{2}$ " (115mm). It weighs 19.75 oz. (560g).

Item # STMB.25.....199.95

#### Mini Studioball with Quick Release (MIQR)

Same as the Mini Studioball with Round Camera Plate (M14), but with a built-in professional quick release head. It accepts all Studioball Camera Plates. Maximum load capacity is 13 lbs. (5.9kg), base diameter is 2 $\frac{1}{2}$ " (64mm), and its height is approximately 4 $\frac{1}{2}$ " (115mm). It weighs 19.75 oz. (560g).

Item # STMBQR.....229.95

### Studio Balls Camera Plates

Made of heavy-duty nylon, these plates have grooves on their base for safety lock, (except Jumbo). They measure 3.2 x 2.4" (80 x 60mm), and are compatible with Arca-Swiss and Foba camera plates.

#### Camera Mounting Plate with $\frac{1}{4}$ " Screw (CP14)

Item # STQRP.25 .....39.95

#### Camera Mounting Plate with $\frac{3}{8}$ " Screw (CP38)

Item # STQRP38.....39.95

#### Camera Mounting Plate for Hasselblad and Rollei with $\frac{1}{4}$ " Screw (CPH)

Item # STQRPH.....39.95

#### Camera Mounting Plate for Mamiya with $\frac{1}{4}$ " Screw (CPM)

Item # STQRPM .....39.95

#### Quick Release Assembly (QR)

A quick release adapter that allows changing of the cameras quickly and easily. With this adapter, the Studioball or Mini Studioball with Round Camera Plate can be converted to a Studioball or Mini Studioball with a quick release. (Requires Camera Mounting Plate.)

Item # STQRSB14.....69.95

#### Jumbo Base Plate (CPJP)

Offers unique new applications. At 20" (500mm), it is the only Jumbo Plate for direct use on quick release plates. Free sliding adjustment over entire length if used with quick release plates. Includes additional  $\frac{1}{4}$ " and  $\frac{3}{8}$ " threads for direct mounting on tripods. Two reversible,  $\frac{1}{4}$ " and  $\frac{3}{8}$ ", round camera plates to tighten camera and lens or view camera with two tripod sockets.

Item # STBPI.....194.50

#### TL-130 Bracket for Jumbo Plate (TL-130)

130mm round bracket. Fits up to 130mm diameter lenses. Three tightening screws included for centering telephoto lenses.

Item # STBTL130JBP ....115.95

#### TL-180 Bracket for Jumbo Plate (TL-180)

Same as above, for lenses up to 180mm diameter.

Item # STBTL180JBP ....133.95



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

*A Prohead allows more freedom of movement than existing ballheads or conventional tripod heads and does it with much greater security. It will tilt past 90° in any direction and has 360° panning capability. Two jumbo locking knobs give the photographer complete control over all camera movements. One knob locks all tilts, and the other locks the panning. Both controls are easy to locate and use. The 360° rotation control cannot be mistaken for the tilt control, even in total darkness. Rotation is graduated in 15° increments to provide convenient reference angles. Proheads can accommodate 35mm, medium format, 4x5 and 8x10 view cameras both safely and securely. The main locking knob includes a tensioning adjustment, so the amount of drag on camera movements can be adjusted for different weights. Tightening the locks does not cause the head to change location, even slightly.*

### Pro Heads

#### Prohead

With 1/4" size camera screw, 3/8" tripod screw and 1/4" adapter. A Delrin constructed professional head, of anodized aluminum and stainless steel. Head or base diameter is 3" (75mm), height 6.8" (172mm) and weight 2.5 lbs. (1.1kg).

Item # **NPPH** ..... **229.95**

#### Prohead with Quick Release

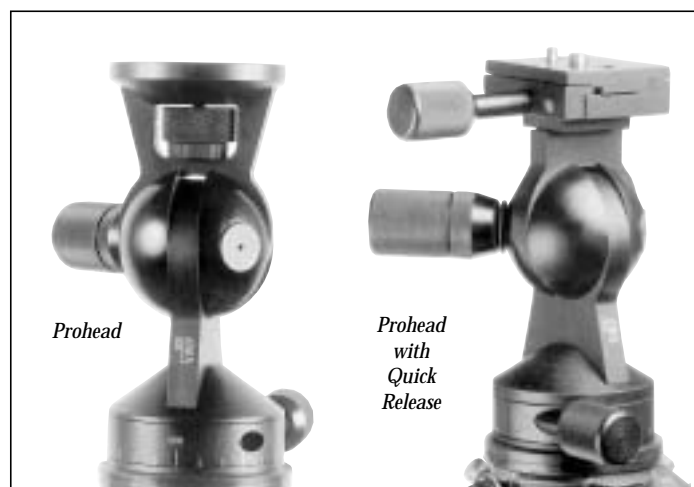
With two 2.5x2.4" (63x60mm) camera plates to accept 1/4" or 3/8" cameras, 3/8" tripod screw and 1/4" adapter. Same features as regular Prohead, plus a built on quick release. (The camera plates are compatible with the Arca-Swiss and Foba style quick release systems.) Height is 6.9" (176mm) and weight 2.8 lbs. (1.3kg).

Item # **NPPHQR** ..... **284.95**

#### Camera Plate

2.5 x 2.4" (63 x 60mm). Replacement for above.

Item # **NPQRP** ..... **44.95**



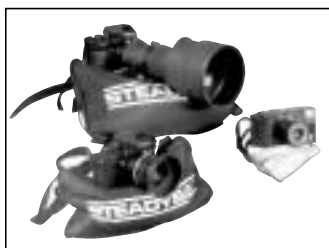
### Steadybag

Steadybag allows fast, rock-solid shooting on any surface, eliminating time-consuming tripod setup. It conforms to any uneven surface bringing a new freedom to location still and video photography. Steadybag is filled with custom-milled polypropylene beads in an outer casing made of rugged waterproof expedition-grade nylon, and it comes with a padded shoulder strap.

#### Steadybag Model 1 (SB1)

3 lbs. (1.4kg.)

Item # **VISB1** ..... **35.95**



#### Steadybag Model 2 (SB2)

7 lbs. (3.2kg.)

Item # **VISB2** ..... **56.95**

#### Steadybag Model Jr (SB3)

8 oz. (227g.)

Item # **VISBJ** ..... **15.95**

#### Steadybag

All Seasons Camouflage (SB5)

3 lbs. (1.4kg.)

Item # **VISBASC** ..... **35.95**

### Suction Mount

Suction Mount makes it possible to attach light and other equipment in places where you can't position a light stand or a tripod. It works with a suction cup activated by a built-in vacuum pump. With a load capacity of as much as 75 lbs. (for the SM-6), you can mount strobe heads on windows, cameras on vehicles, and a range of grip equipment on almost any non-porous surface.

#### 3" Cup (SM3)

With 1/4" and 5/8" thread. For loads of up to 20 lbs. (9kg.)

Item # **VISM3** ..... **66.50**

#### 6" Cup (SM6)

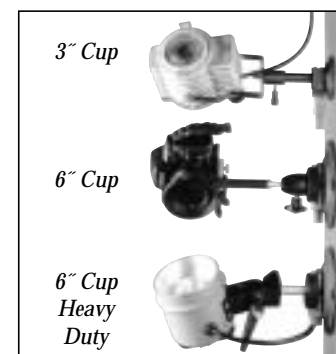
With 1/4" and 5/8" thread. For loads of up to 75 lbs. (34kg.)

Item # **VISM6** ..... **89.95**

#### 6" Cup Heavy Duty (DV6B)

With 5/8" thread.

Item # **VISMHD6** ..... **148.50**





# TRIPODS

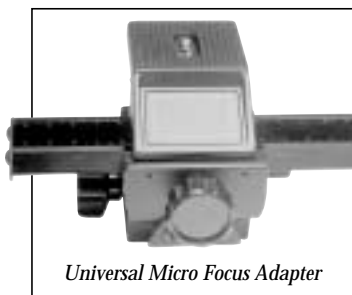
## MISCELLANEOUS

### Two-Way Focusing Rail

#### Universal Micro Focus Adapter

A precision focusing tool with two separate stages. Combining the stages in one direction will double the travel of the camera. The stages are independent of each other and can be used either separately or mounted on top of one another (also at right angles) for camera movement along the x and y axis. The maximum travel on each stage is 3.5" (90mm). Scales in millimeters provide easy reference. Handy positioning and locking screws. 1/4" camera and tripod thread. A rack and pinion drive ensures accurate setting. Length of stages 5.9" (150mm). Its weight is 22.4 oz. (634g).

Item # **GBMFA**.....**139.95**



Universal Micro Focus Adapter

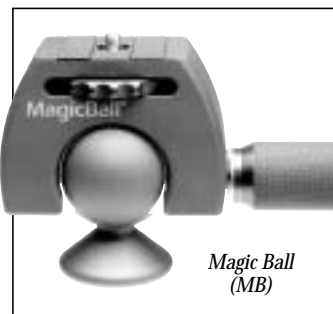
### Universal Panorama Plate

#### Novoflex Universal Panorama Plate (PANORAMA)

Turn your camera round 360° play-free! Large number markings and a spirit-level for an optimum horizontal alignment. Ideal in combination with any ball and socket head. 3.5 x 2.4 x 7" (9 x 6 x 1.8cm) LWH. Weighs 5.9 oz. (168g).

Item # **NOUPP**.....**39.95**

### Novoflex Magic Ball and Mini Magic Ball



Magic Ball (MB)

These extremely stable ball and socket heads, with patented construction, offer wide areas of applications. At the same time, the weight of both Magic Balls have been significantly reduced compared to similar products. Their friction control allows them to be used safely and comfortably with heavier products.

#### Magic Ball (MB)

Accepts load capacity up to 22 lbs. (10kg). Dimensions are 6.3 x 2.4 x 4.1" (15.9 x 6 x 10.5cm) LWH. It weighs 2 lbs. (925g).

Item # **NOMB**.....**299.95**

#### Mini Magic Ball (MBMINI)

Accepts load capacity up to 11 lbs. (5kg). Dimensions are 4.3 x 1.6 x 3" (11 x 4 x 7.5cm) LWH. It weighs 12 oz. (330g).

Item # **NOMMB**.....**249.95**

### Miscellaneous Clamps

#### Slik ClampPod (618-785)

Supports compact 35mm cameras, portable flashes, compact camcorders, or any lightweight accessory with a 1/4 x 20 mounting capability. Clamps onto virtually anything and goes just about anywhere. Less than 12" in length and weighs only 9.6 oz. A flexible steel neck can be angled into a variety of positions for maximum support, as well as a separate mounting platform with a locking ball joint swivel head. Heavy duty spring clamp features offset rubberized jaws.

Item # **SLCP**.....**19.95**



#### Hi Sierra Clampette (618-785)

A versatile, strong, convenient, compact companion for small and large cameras. It mounts to books, chairs, etc. Made of die-cast aluminum alloy, it is strong, yet lightweight. Weighs just 2 oz.

Item # **HIC**.....**9.95**

## DAVIS & SANFORD by TIFFEN

#### Magnum Tripod (MAGNUMXL)

Professional photo/video tripod with 3-way fluid head and quick release. Made in the USA, this Davis & Sanford tripod is made from the finest and strongest metal aluminum alloy with a superior protective black finish. The excellent strength-to-weight ratio and combined benefit of rugged durability, will give the user many years of trouble free use. Perfect for 35mm, medium format, and camcorders, this tripod features a foam cushioned 1 1/4" (30mm) insulated legs, with rugged twist-type leg locks, and spiked feet, a reversible lift-type centerpost, for low-angle work, a 3-way 360° pan fluid head, a quick-release plate for quick action, a built-in bubble level, and a 5-year warranty. Its lowest operating angle is 30° (76cm). But, by reversing the center post, you can get as low as 0°.

Item # **TIMXL**.....**119.95**



#### DAVIS & SANFORD SPECIFICATIONS

Load Capacity	15 lbs. (6.8kg)
Minimum Usable Height	0" (0cm)
Maximum Extension	69.25" (176cm)
Leg Sections	2
Center Column Sections	1
Folded Length	32" (81.3cm)
Weight	5.25 lbs. (2.4kg)

Subject to change without notice



# The Professional Photo SourceBook

## Section 10

### Lightboxes

Introduction .....	470
Bretford Acculite .....	470-471
Just Normlicht .....	471-475
Kaiser .....	476-477
Logan .....	478-479
Porta Trace .....	480-481
Tundra .....	482
Cabin, Visual Plus, Logan, Lite-A-Page .....	483

# INTRODUCTION

## LIGHT BOXES

One of the most important stages of the photographic process is editing your take. To do this right, you need to put your chromes or prints in the best light possible – literally. The best light boxes will clearly, evenly illuminate your images, with the most neutral light source available.

To keep the color rendering as true as possible to your intended original (an important feature especially if your work is destined for print reproduction) top-line light boxes

use light generated by fluorescent bulbs with a color temperature of 5000 degrees Kelvin. This light offers qualities that are as close as possible to natural daylight. It provides neutral color balancing that is essential for consistent results every step of the process. And since 5000 Kelvin is an industry standard, your image will look the same when moved from one light table to another. This consistency is what professionals demand.

## BRETTFORD ACCULIGHT

*Designed to provide the most accurate color-correct viewing possible, the Bretford Acculight line of viewers features ANSI standards for a 5000K light source, a CRI rating of 91+ and power from 110 to 120V AC, 60 Hz. Each unit is available in white and has a break-resistant frosted plexiglass viewing surface. All models are equipped with a 6' cord and switch and are UL listed.*



Two connected  
4' viewers with Accuframe  
(shown on an Accustand) with  
transparency clips and slide overlay.

### Light Tables

#### Portable Acculight Viewer (6009)

Bring a color-correct light source anywhere with this portable viewer. Lets you view up to 48 2" slides at once; comes with protective vinyl cover and carrying handle.

Item # ACVP .....**89.95**

#### Two-Foot Acculight Viewer (6002)

Perfect for office or meeting room viewing. Easily displays up to 84 two-inch slides. Lays flat or useable at 15 and 70-degree viewing angles using folding legs in back of unit.

Item # ACV2 .....**179.95**

#### Four-Foot Acculight Viewer (6000)

Full-sized viewer holds up to 168 two-inch slides. It can be placed flat on a tabletop or at 15 and 70-degree viewing angles using folding legs in back of unit.

Item # ACV4.....**209.95**

### BRETTFORD ACCULIGHT

Description	Item #	Outside Dimensions	Viewing Surface	Weight
Portable Viewer	ACVP	18 x 15 x 4" (56 x 38 x 10cm) W.D.H.	17.2x12.4" (44x30x8cm) W.D.H.	10 lbs. (4.5kg)
2-ft. Viewer	ACV2	24.6 x 16.2 x 6.3" (62 x 41 x 16cm) W.D.H.	23.3x14.3" (59x36cm) W.D.H.	22 lbs. (10kg)
4-ft. Viewer	ACV4	49.1 x 16.1 x 6.3" (125 x 41 x 16cm) W.D.H.	48.5x14.3" (123x36cm) W.D.H.	36 lbs. (16.3g)

### Light Table Accessories

#### Dust Cover for 6002

Black vinyl cover slips over the 2' Acculight Viewer.

Item # ACDCV2 .....**17.95**

#### Dust Cover for 6000

Black vinyl cover slips over the 4' Acculight Viewer.

Item # ACDCV4 .....**21.95**

#### Accustand Slide Overlay (6012)

Conveniently "locks in" up to 72 two-inch slides for a portable slide display that can be moved from office-to-office with ease. Crafted of lightweight steel, this unit features six removable plastic gripper strips that run the length of each row. Slides slip into the lip of the gripper and stay in place until you remove them. Fits easily on a 2' or 4' Acculight for viewing. 24x14 1/4" (61x36cm) W.H. Weighs 5 lbs. (2.3kg).

Item # ACAL.....**48.95**

#### Transparency Clips (6004)

These transparency clips slide under the Acculight Viewer's rubber lip and holds transparencies in place. Flexible spring steel design. Easy to insert and remove. Six clips per package.

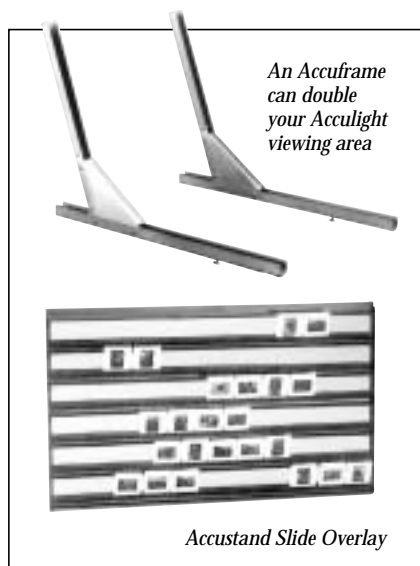
Item # ACTC .....**7.50**

# ACCULIGHT / JUST

## LIGHT BOXES

LIGHT BOXES

471



*An Accuframe can double your Acculight viewing area*

*Accustand Slide Overlay*

### Accuframe (6003)

Specially-made holders that double your Acculight viewing display area by connecting two 4' or 2' viewers. Heavy gauge steel legs are painted white to match the viewers' finish.

**Item # ACAF .....54.95**

### Accustand (6048)

Adjustable stand holds Acculight viewers in standing or sitting heights. Height can be changed by simply resetting leg screws. Can be used with one or two viewers. Comes with four two-inch casters, two of which lock. Acculights must be ordered separately. Dimensions: 42 x 28 x 40.8" (107 x 71 x 108cm) W.D.H. Weight: 47 lbs. (21.3kg).

**Item # ACAS .....189.95**

### Accustand Slide Overlay (6012)

Locks in up to 72 two-inch slides. Six removable plastic gripper strips that run the length of each row. Slides slip into lip of gripper and stay in place until you remove them. Designed for two- and four-foot Acculight viewers. Dimensions: 24 x 14.3" (61 x 37cm) W.H. Weight: 5 lbs (2.3kg)

**Item # ACAL .....48.95**

### 18" Lamp (6052)

For the Portable Acculight Viewer (6009).

**Item # ACL18 .....27.95**

### 24" Lamp (6051)

For the Two-Foot Acculight Viewer (6002).

**Item # ACL24 .....17.95**

### 48" Lamp (6050)

For the Four-Foot Acculight Viewer (6000).

**Item # ACL48 .....22.50**

## JUST NORMLIGHT

*Just Normlicht offers an extensive line-up of viewers for virtually every possible use and in a wide range of sizes. All offer 5000 degree Kelvin light sources, which is the industry standard for neutral color temperature. This gives you the truest color possible. Solidly built in a choice of silver, metallic or white finishes, these viewers are built to last while providing even illumination for the most critical jobs.*

### Color Control 5000

#### Transparency Flat Viewer 5000K

Standard flat viewer designed for everyday applications: reproduction, photo studios and ad agencies. Silver finish.



### COLOR CONTROL 5000

Description	Model #	Item #	Outside Dimensions	Viewing Surface	Weight	Price
CC/DL 1	5066	JU5066	19 x 13 x 3" (48 x 33 x 7.6cm) W.D.H.	17 x 10" (43 x 25cm) W.D.	9 lbs. (4kg)	194.95
CC/DL 1A	19752	JU19752	25 x 13 x 3" (64 x 33 x 7.6cm) W.D.H.	23 x 10" (58 x 25cm) W.D.	8 lbs. (3.6kg)	222.95
CC/DL 2	5074	JU5074	19 x 17 x 3" (48 x 43 x 7.6cm) W.D.H.	17 x 14" (43 x 36cm) W.D.	9.7 lbs. (4.4kg)	264.95
CC/DL 2A	14241	JU14241	25 x 17 x 3" (64 x 43 x 7.6cm) W.D.H.	23 x 14" (58 x 36cm) W.D.	11.2 lbs. (5kg)	289.95
CC/DL 2B	25876	JU25876	41 x 17 x 3" (104 x 43 x 7.6cm) W.D.H.	39 x 14" (99 x 36cm) W.D.	21 lbs. (9.5kg)	467.95
CC/DL 2C	14274	JU14274	49 x 17 x 3" (124 x 43 x 7.6cm) W.D.H.	47 x 14" (119 x 36cm) W.D.	24 lbs. (11kg)	539.95



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# JUST NORMLIGHT

## LIGHT BOXES

### Concept Mini 5000

High-design series of viewers offer portability and space-saving viewing surfaces.

#### Transparency Flat Viewer 5000K

Super-flat, light and handy viewer goes anywhere for successful presentations. See CM5/DM mini in chart for specifications. Mini 4S comes with a bracket.

#### Transparency Bracketed Viewer

Viewer includes a carrying handle that doubles as an adjustable stand. This model is equipped with a resting roll and an electronic dimmer. See CM5/DN in chart for specifications.

#### Transparency Viewer "Studio"

Desktop viewer comes with base and swivel-arm. Includes an electronic dimmer. See CM5/DN mini 2A SF in chart for specifications.

#### Transparency Swivel-Viewer

Space-saving swivel-out design is ideal for use with DTP and Electronic Publishing workstations. Comes with electronic dimmer. See CM5/DN mini 2A SWA in chart for specifications.

#### Color Match "Portable" 5000K

Take-anywhere display flips open to reveal backlit and reflective display of chromes and proofs. Electronic dimmer is included. See CM5/VM2 AC SB in chart for details.

#### Color Match "Studio" 5000K

Base and swivel arm makes this ideal for table use. Comes with electronic dimmer. See CM5/VM2 AC SF in chart for details.

#### Color-Match with Swivel-Arm

Ideal for use with DTP and Electronic Publishing workstations, this space-saving unit is clamped to the side of the desk and swivels out of the way. Comes with electronic dimmer. See CM5/VM 2AC SWA in chart for details.

### TRANSPARENCY FLAT VIEWER 5000K

Description	Model #	Item #	Outside Dimensions	Viewing Surface	Weight	Price
CM5/DM mini 1A (Metallic)	12062	JU12062	15x9x1.5" (38x23x4cm) W.D.H.	10x8" (25x20cm) W.D.	4.8 lbs. (2.2kg)	224.95
CM5/DM mini1A (Black)	12070	JU12070	15x9x1.5" (38x23x4cm) W.D.H.	10x8" (25x20cm) W.D.	4.8 lbs. (2.2kg)	222.95
CM5/DM mini 2A (Metallic)	21857	JU21857	15x13x1.5" (38x33x4cm) W.D.H.	12x10" (30x25cm) W.D.	4 lbs. (1.8kg)	267.95
CM5/DM mini 2A (Black)	28589	JU28589	15x13x1.5" (38x33x4cm) W.D.H.	12x10" (30x25cm) W.D.	4 lbs. (1.8kg)	267.95
CM5/DM mini 3 (Metallic)	12088	JU12088	24x9x1.5" (61x23x4cm) W.D.H.	19x8" (48x20cm) W.D.	6.8 lbs. (3kg)	314.95
CM5/DM mini 4 (Metallic)	12104	JU12104	24x13x1.5" (61x33x4cm) W.D.H.	19x12" (48x30cm) W.D.	7.8 lbs. (3.5kg)	339.95
CM5/DM mini 4 (Black)	12740	JU12740	24x13x1.5" (61x33x4cm) W.D.H.	19x12" (48x30cm) W.D.	8.8 lbs. (4kg)	357.95
CM5/DM mini 4 S (Metallic)	22582	JU22582	24x13x1.5" (61x33x4cm) W.D.H.	19x12" (48x30cm) W.D.	20 lbs. (9kg)	384.95

### TRANSPARENCY BRACKETED VIEWER

Description	Model #	Item #	Outside Dimensions	Viewing Surface	Weight	Price
CM5/DN mini 1A (Metallic)	21873	JU21873	15x9x1.5" (38x23x4cm) W.D.H.	10x7" (25x18cm) W.D.	4 lbs. (1.8kg)	422.95
CM5/DN mini 1A (Black)	26294	JU26294	15x9x1.5" (38x23x4cm) W.D.H.	10x7" (25x18cm) W.D.	4 lbs. (1.8kg)	422.95
CM5/DN mini 1A (Silver)	20974	JU20974	15x9x1.5" (38x23x4cm) W.D.H.	10x7" (25x18cm) W.D.	4 lbs. (1.8kg)	323.95
CM5/DN mini 2A (Metallic)	28597	JU28597	15x13x1.5" (38x33x4cm) W.D.H.	11x10" (28x25cm) W.D.	5 lbs. (2.3kg)	449.95
CM5/DN mini 2A (Black)	10009	JU10009	15x13x1.5" (38x33x4cm) W.D.H.	11x10" (28x25cm) W.D.	5 lbs. (2.3kg)	449.95
CM5/DN mini 2A (Silver)	21253	JU21253	15x13x1.5" (38x33x4cm) W.D.H.	11x10" (28x25cm) W.D.	5 lbs. (2.3kg)	349.95
CM5/DN mini4 (Metallic)	28753	JU28753	24x13x1.5" (61x33x4cm) W.D.H.	19x11" (48x28cm) W.D.	6 lbs. (2.7kg)	512.95
CM5/DN mini4 (Black)	28779	JU28779	24x13x1.5" (61x33x4cm) W.D.H.	19x11" (48x28cm) W.D.	6 lbs. (2.7kg)	512.95
CM5/DN mini4 (Silver)	21287	JU21287	24x13x1.5" (61x33x4cm) W.D.H.	19x11" (48x28cm) W.D.	6 lbs. (2.7kg)	413.95

### TRANSPARENCY VIEWER "STUDIO"

Description	Model #	Item #	Outside Dimensions	Viewing Surface	Weight	Price
CM5/DN mini2A SF (Metallic)	28530	JU28530	18x15x1.5" (46x38x4cm) W.D.H.	11x10" (28x25cm) W.D.	15 lbs. (6.8kg)	881.95
CM5/DN mini2A SF (Grey)	28548	JU28548	18x15x1.5" (48x38x4cm) W.D.H.	11x10" (28x25cm) W.D.	15 lbs. (6.8kg)	881.95

**All items are complete with all accessories as supplied by the manufacturer**



# JUST NORMLIGHT

## LIGHT BOXES

### COLOR MATCH "PORTABLE 5000K"

Description	Model #	Item #	Outside Dimensions	Viewing Surface	Weight	Price
CM5/VM2 AC SB (Metallic)	3640	JU3640	15x13x4" (38x33x10cm) W.D.H.	11x10" (28x25cm) W.D.	8 lbs. (3.6kg)	889.95
CM5/VM2 AC SB (Grey)	28795	JU28795	15x13x4" (38x33x10cm) W.D.H.	11x10" (28x25cm) W.D.	16 lbs. (7.3kg)	889.95
CM5/VM2 AC SB (Silver)	3244	JU3244	15x13x4" (38x33x10cm) W.D.H.	11x10" (28x25cm) W.D.	8 lbs. (3.6kg)	764.95
CM5/VM 4 C SB (Metallic)	1990	JU1990	24x13x4" (61x33x10cm) W.D.H.	19x11" (48x28cm) W.D.	16 lbs. (7.3kg)	1061.95
CM5/VM 4 C SB (Grey)	28011	JU28011	24x13x4" (61x33x10cm) W.D.H.	19x11" (48x28cm) W.D.	16 lbs. (7.3kg)	1061.95

### COLOR MATCH "STUDIO" 5000K

Description	Model #	Item #	Outside Dimensions	Viewing Surface	Weight	Price
CM5/VM2 AC SF (Metallic)	29124	JU29124	20x15" (51x38cm) W.D.	11x10" (28x35cm) W.D.	35 lbs. (15.9kg)	881.95
CM5/VM2 AC SF (Grey)	29132	JU29132	20x15" (51x38cm) W.D.	11x10" (28x35cm) W.D.	35 lbs. (15.9kg)	1124.95

### COLOR MATCH WITH SWIVEL ARM

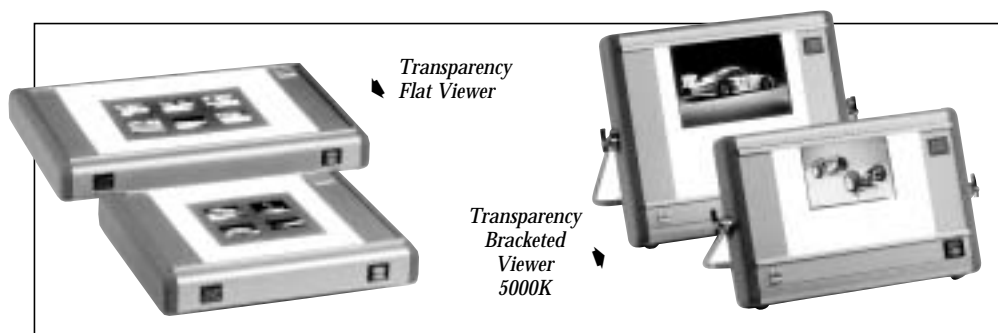
Description	Model #	Item #	Outside Dimensions	Viewing Surface	Weight	Price
CM5/VM 2AC SWA (Metallic)	22608	JU22608	18x15" (46x38cm) W.D.	11x10" (28 x 25cm) W.D.	16 lbs. (7.3kg)	971.95
CM5/VM 2AC SWA (Grey)	29720	JU29720	18x15" (46x38cm) W.D.	11x10" (28 x 25cm) W.D.	16 lbs. (7.3kg)	971.95

### Color-Control Professional

#### Transparency Flat Viewer

Instant start transparency viewer reduces eye strain via flicker-free operation. Just Normlicht quality unit has electronic dimmer. See CCP/DL in chart for details.

**Transparency Bracketed Viewer 5000K**  
Same as Transparency Flat Viewer, but with bracket for upright viewing. See CCP/DN in chart.



#### Color Match Professional

Offers visual color matching of both slides and proofs by providing both reflective and transmissive light. Comes with electronic dimmer and self-supporting base. See CCP/VS 2 C SF in chart for details. For models with bracket-attaches swivel arm instead of base, see CCP/VS 2 SWA.

**CCP/DN2 Light Guard (19117)**  
For Transparency Bracketed Viewer 5000K.

**Item # JU19117.....79.95**

**CCP/DN3 Light Guard (3772)**  
For Transparency Bracketed Viewer 5000K.

**Item # JU3772.....109.95**

### MOUNTING PARTS FOR COLOR-CONTROL PROFESSIONAL

Description	Model #	Weight	Item #	Price
Wall Mount CC/DL	14415	2 lbs. (.9kg)	JU14415	39.95
Wall Fastening Angle CC/SC BWW (Silver)	13789	2 lbs. (.9kg)	JU13789	54.95
Wall Fastening Angle CC/SC BWW (Black)	13227	2 lbs. (.9kg)	JU13227	54.95
Table Clamp CC/SC BTK (Silver)	13771	3 lbs. (1.4kg)	JU13771	84.95
Table Clamp CC/SC BTK (Black)	7666	3 lbs. (1.4kg)	JU7666	84.95
Screw Console CC/SC BKO (Silver)	13730	2 lbs. (.9kg)	JU13730	34.95
Screw Console CC/SC BKO (Black)	29249	2 lbs. (.9kg)	JU29249	34.95
Adapter PS CC/SC BAD M (Silver)	29322	2 lbs. (.9kg)	JU29322	84.95
Adapter PS CC/SC BAD M (Black)	29231	2 lbs. (.9kg)	JU29231	84.95
Swivel Arm CC/SC SWA-SI (Silver)	3830	3 lbs. (1.4kg)	JU3830	129.95
Swivel Arm CC/SC SWA-SI (Black)	4044	3 lbs. (1.4kg)	JU4044	129.95

# JUST NORMLICHT

## LIGHT BOXES

### Color Match Compact

Desktop unit comes with base and electronic dimmer and allows for color matching of both transparent and reflective artwork.

#### COLOR-MATCH COMPACT

Description	Model #	Item #	Outside Dimensions	Viewing Surface	Weight	Price
CCP/VS 2 AC SF (Grey)	29694	JU29694	25x23" (64x58cm) W.D.	18x14" (46x36cm) W.D.	35 lbs. (15.9kg)	1,241.95
CCP/VS 2 AC SP (Grey)	29777	JU29777	25x21" (64x53cm) W.D.	18x14" (46x36cm) W.D.	20 lbs. (9kg)	1,318.50

### Classic Line

#### View and Mounting Plates

Uncompromising quality to fit limited budgets, these viewers come with electronic ballast and electronic dimmer. See CL/DL in chart for details.

#### Transparency Viewer 5000K

Traditionally-designed bracket viewer with two brightness levels, service hour meter, clamping and resting rail. See CL/DN in chart for details.

#### Viewing Walls 5000K

When you need a wall of light, these oversized alternatives to light tables offer two brightness levels, service hour meter, and a clamping rail. Wall fastening is available on request. See CL/LW in chart for details.

#### Light-Repro Light 5000

#### Video-Repro Lightviewer

Extremely high and flicker-free light source is ideal for transparency reproduction on video or for digitizing transparencies on a scanner. Electronic ballast provides immediate start-up. See VR/DL in chart for details.

#### VIEWING AND MOUNTING PLATES

Description	Model #	Item #	Outside Dimensions	Viewing Surface	Weight	Price
CL/DL 1 EVG (Metallic)	17632	JU17632	19x15x3" (48x38x8cm) W.D.H.	14x13" (36x33cm) W.D.	20 lbs. (9kg)	584.95
CL/DL 2 EVG (Metallic)	17640	JU17640	24x19x3" (61x48x8cm) W.D.H.	18x18" (46x46cm) W.D.	20 lbs. (9kg)	584.95
CL/DL 3 EVG (Metallic)	17657	JU17657	24x15x3" (61x38x8cm) W.D.H.	18x14" (46x36cm) W.D.	20 lbs. (9kg)	647.95
CL/DL 4 EVG (Metallic)	17814	JU17814	30x24x4" (76x61x10cm) W.D.H.	29x18" (74x46cm) W.D.	20 lbs. (9kg)	647.95
CL/DL 5 EVG (Metallic)	18283	JU18283	39x15x4" (99x38x10cm) W.D.H.	33x14" (84x36cm) W.D.	20 lbs. (9kg)	737.95
CL/DL 6 EVG (Metallic)	21113	JU21113	39x24x4" (99x61x10cm) W.D.H.	33x24" (84x61cm) W.D.	20 lbs. (9kg)	737.95
CL/DL 7 EVG (Metallic)	21345	JU21345	48x15x4" (122x38x10cm) W.D.H.	42x14" (107x36cm) W.D.	20 lbs. (9kg)	737.95
CL/DL 8 EVG (Metallic)	21410	JU21410	48x24x4" (122x61x10cm) W.D.H.	42x24" (107x61cm) W.D.	20 lbs. (9kg)	737.95

#### TRANSPARENCY VIEWER 5000K

Description	Model #	Item #	Outside Dimensions	Viewing Surface	Weight	Price
CL/DN 1B (Metallic)	11965	JU11965	19x15x4" (48x38x10cm) W.D.H.	13x13" (33x33cm) W.D.	20 lbs. (9kg)	611.95
CL/DN 2B (Metallic)	11981	JU11981	24x19x4" (61x48x10cm) W.D.H.	23x13" (58x33cm) W.D.	20 lbs. (9kg)	1061.95

#### VIEWING WALLS 5000K

Description	Model #	Item #	Outside Dimensions	Viewing Surface	Weight	Price
CL/LW 1 (Metallic)	28126	JU28126	48x31x4" (122x79x10cm) W.D.H.	44x26" (122x66cm) W.D.	38 lbs. (17.2kg)	1511.95
CL/LW 2 (Metallic)	28134	JU28134	60x31x4" (152x79x10cm) W.D.H.	66x26" (142x66cm) W.D.	20 lbs. (9kg)	1763.95
CL/LW 3 (Metallic)	28142	JU28142	60x39x4" (153x99x10cm) W.D.H.	56x33" (142x84cm) W.D.	48 lbs. (21.7kg)	2231.95
CL/LW 4 (Metallic)	22772	JU22772	69x39x4" (175x99x10cm) W.D.H.	65x33" (165x84cm) W.D.	55 lbs. (24.9kg)	2879.95
CL/LW 5 (Metallic)	22798	JU22798	79x39x4" (200x99x10cm) W.D.H.	75x33" (190x84cm) W.D.	60 lbs. (27.2kg)	3239.95
CL/LW 6 (Metallic)	22897	JU22897	69x48x4" (175x122x10cm) W.D.H.	65x43" (165x109cm) W.D.	55 lbs. (24.9kg)	3509.95
CL/LW 7 (Metallic)	22913	JU22913	79x48x4" (200x122x10cm) W.D.H.	75x43" (190x109cm) W.D.	60 lbs. (27.2kg)	3959.95

#### VIDEO REPRO LIGHTVIEWER

Description	Model #	Item #	Outside Dimensions	Viewing Surface	Weight	Price
VR/DL 1 (Metallic)	21832	JU21832	19x15x3" (48x38x8cm) W.D.H.	14x13" (36x33cm) W.D.	20 lbs. (9kg)	674.95

Technical Advice Available

# JUST NORM LIGHT

## LIGHT BOXES

### Color-Control 5000 Cases

#### Black Presentation Briefcase (8342)

A genuine leather briefcase with security clasps. Suitable for the following viewers: 12062, 12070, 21857, 28589, 21873, 26294, 28597 and 10009. Outside dimensions: 20 x 15 x 4" (50 x 38 x 10cm) W.D.H. Weighs 8 lbs. (3.6 kg).

**Item # JU8342 .....349.95**

#### Black Presentation Briefcase (49007)

Genuine leather briefcase with security clasps. Suitable for 3640 and 28795 viewers. Outside dimensions: 20 x 15 x 5" (50 x 38 x 13cm) W.D.H. Weighs 20 lbs. (9kg).

**Item # JU49007 .....413.95**

#### Shoulder Bag (28795)

Waterproof nylon shoulder bag features zip fastener and a shoulder strap. Suitable for the following viewers: 12062 and 12070. Outside dimensions are 17 x 11 x 2" (43 x 28 x 5cm) W.D.H. Weighs 4 lbs. (1.8kg).

**Item # JU28795 .....889.95**



*Black  
Presentation  
Briefcase  
(8342)*

### MOUNTING ACCESSORIES FOR JUST ACCESSORIES

Description	Model #	Weight	Item #	Price
Wall Mount CC/DL	14415	2 lbs. (.9kg)	JU14415	39.95
Wall Fastening Angle CC/SC BWW (Silver)	13789	2 lbs. (.9kg)	JU13789	54.95
Wall Fastening Angle CC/SC BWW (Black)	13227	2 lbs. (.9kg)	JU13227	54.95
Table Clamp CC/SC BTK (Silver)	13771	3 lbs. (1.4kg)	JU13771	84.95
Table Clamp CC/SC BTK (Black)	7666	3 lbs. (1.4kg)	JU7666	84.95
Screw Console CC/SC BKO (Silver)	13730	2 lbs. (.9kg)	JU13730	34.95
Screw Console CC/SC BKO (Black)	29249	2 lbs. (.9kg)	JU29249	34.95
Adapter PS CC/SC BAD M (Silver)	29322	2 lbs. (.9kg)	JU29322	84.95
Adapter PS CC/SC BAD M (Black)	29231	2 lbs. (.9kg)	JU29231	84.95
Swivel Arm CC/SC SWA-SI (Silver)	3830	3 lbs. (1.4kg)	JU3830	129.95
Swivel Arm CC/SC SWA-SI (Black)	4044	3 lbs. (1.4kg)	JU4044	129.95

### Light Tubes

From the chrome to the final press sheet, consistent, standardized light is absolutely necessary in every step of quality print reproduction. The Just Color Control Daylight 5000 line of fluorescent tubes offers a unique color rendering index and combines energy-saving high light strength with optimal color rendering. Discriminating photographic professionals will be able to see subtle shades and hues that were previously impossible to differentiate.

### LIGHT TUBES

Description	Model #	Length	Weight	Item #	Price
LL/8W Daylight 5000	18150	11" (28cm)	4 oz. (113kg)	JU18150	24.95
LL/13W Daylight 5000	17558	20" (51cm)	1 lb. (450g)	JU17558	26.95
LL/15W Daylight 5000	729	17" (43cm)	9 oz. (255kg)	JU729	31.95
LL/18W Daylight 5000	19240	23" (58cm)	8 oz. (226kg)	JU19240	18.95
LL/36W Daylight 5000	18515	39" (99cm)	10 oz. (283kg)	JU18515	34.95
LL/58W Daylight 5000	6312	59" (150cm)	12 oz. (340kg)	JU6312	27.95



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

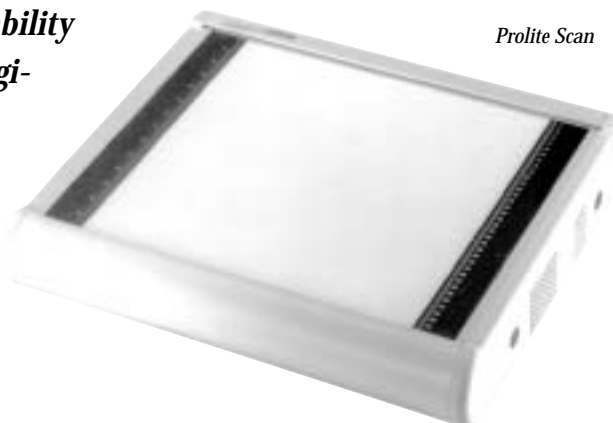
1 • 8 0 0 • 9 4 7 • 6 6 5 0

# KAISER

## L I G H T   B O X E S

*The Kaiser series of light boxes give professionals the ability to correctly appraise transparencies. Besides viewing originals, these boxes can provide lighting for reproduction and trick photography, tabletop photography and reduced or enlarged copying processes. Because the light is consistent and neutral, reproducible conditions for appraising negatives, transparencies, foils, X-Rays and montage materials are virtually guaranteed.*

*Special fluorescent lamps, operating at a color temperature of 5000 degrees Kelvin, provide high-quality color rendering with a Color Rendition Index (CRI) of greater than 98. (This index represents how well fluorescent light can mimic daylight; 90 is the minimum acceptable for photography, 100 is equivalent to noon sunlight. The closer the number to 100, the less filtration needed.) Even illumination is assured, thanks to the light alloy inside reflectors finish and shape, the partly-coated lamps and high-grade translucent acrylic sheet. Thanks to this bright, even illumination, originals heat up very little, even when continuously lit. Non-slip rubber feet assure stability, while the strong metal housing provides durability.*



Prolite Scan

### Profile 5000 Series

#### Profile 5000 (20-2190)

A simple light box designed for occasional use, this model provides all of the high-quality viewing benefits of larger Profile 5000 light boxes. Wall mountable.

**Item # KALBPL1017.....269.00**

#### Profile 5000 (20-2191)

Larger viewing area makes this light box ideal for larger film format viewing. Features a clamp and holder strip for fast, secure holding of films and foils, and a folding arm for ergonomic working conditions. Wall mountable. An optional carrying bag is also available for this model. See item 2198.

**Item # KALBPL1418.....349.00**

#### Profile 5000 (20-2192)

Ideal for working with multiple large-format images, this offers a large viewing area. Features a clamp and holder strip for fast, secure holding of films and foils, and a folding arm for ergonomic working conditions. Wall mountable.

**Item # KALBPL1423.....389.00**

#### Profile 5000 (20-2193)

A large viewing area provides plenty of surface for professional transparency users. Features a clamp and holder strip for fast, secure holding of films and foils, and a folding arm for ergonomic working conditions. Wall mountable.

**Item # KALBPL1447.....599.00**

### Prolite, Handylite and Flatlite Series



#### Prolite Scan (20-2182)

Four ultra-bright Osram Dulux fluorescent tubes provide approximately 40,000 lux, ideal when viewing dense negatives and chromes, appraising X-Rays and microfiches. The color reproduction index is CRI>98, while the color temperature is matched to 5000 degrees Kelvin. A high-frequency operating system, the Prolite Scan uses a 40 kHz, flicker-free starting and operation. Other features include a built-in timer and screen calibration in inches and centimeters. A large stepless adjustable arm and film clamp holder strips are built in. Wall mountable.

**Item # KALBPLS1414.....1,278.50**

# K A I S E R

## L I G H T B O X E S

### Prolite, Handylite and Flatlite Series, *continued*

The Prolite 5000s Basic light Boxes feature special fluorescent lamps that provide a very bright light source. The 5000K Kelvin color temperature and balanced spectral distribution matches the daylight sensitization of most films perfectly, allowing users to match projected and printed results – essential for applications that include lithography, medical, engineering, scientific applications and photographic analysis. Inch and centimeter scales appear on either side of the viewing area to aid graphic designers and photofinishers in montage work. Standard features include clamps and holder strips. A built-in timer monitors the lamps' lives (since lamp color stability changes as it ages). Changing lamps is a simple process; no tools are needed. A large arm is adjustable in stepless degrees for fine adjustment of viewing angle while offering stable support. A two-step switch controls power preventing eye strain and lengthening lamp life.

**Prolite 5000s Basic Light Box** (20-2173)  
**Item # KALBPLB207.....339.95**

**Prolite 5000s Basic Light Box** (20-2175)  
**Item # KALBPLB2013.....404.95**

**Prolite Min Plus** (20-2189)  
 Runs for approximately 4 hours with rechargeable batteries and six hours with normal batteries. It can also be used with the 2187 power pack, which is included with the light case 2186 or can be purchased separately.  
**Item # KALBPLMP810.....427.50**

**Slide Holding Frames for 18x14" (44x45cm) Prolite** (20-2183)  
 Weighs 5 lbs. (2.3kg).  
**Item # KASHFPL1418.....59.95**

**Slide Holding Frames for 23x14" (56x36cm) Prolite** (20-2184)  
 Weighs 5 lbs. (2.3kg).  
**Item # KASHFPL1423.....59.95**

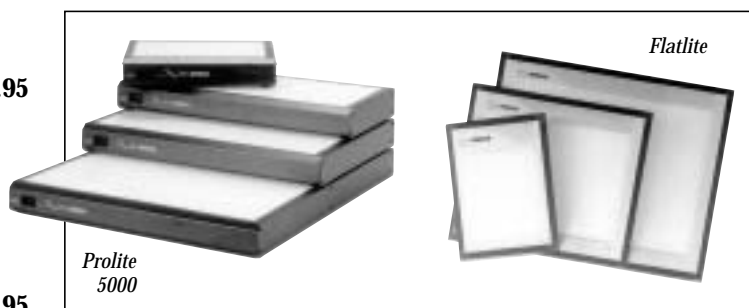
**AC Adapter for Prolite Mini +** (20-2187)  
 Weighs 2.5 lbs. (1.1kg)  
**Item # KAACAPLMP.....72.50**

**Case for Prolite Mini +** (20-2197)  
 Weighs 7 lbs. (3.2kg)  
**Item # KACPLMP.....328.95**

**Handylite** (20-2170)  
 A light box that's built into a carrying case, the Handylite is no larger than a briefcase and provides an 8x10" viewing area. Two 8-watt fluorescent lamps supply 5000K. A built-in AC transformer assures portability.  
**Item # KALBHL810.....231.95**

**Flatlite**  
 Just 2" thick, Flatlites feature an interior design with a partially reflecting grid plate that ensures constant brightness distribution. Standardized light output is at 5000° Kelvin.

**Flatlite A4** (20-2177)  
 Outside Dimensions: 15 x 11 x 1.8"  
 (38 x 28 x 4.5cm) W.D.H.  
**Item # KALBFL811.....489.95**



### SPECS FOR ALL KAISER PRODUCTS

Description	Model #	Outside Dimensions	Viewing Surface	Weight	Item #
Prolite Light Box (10x17")	2190	12x14x4" (25x36x9cm) W.H.D.	17x10" (43x26cm) W.H.	11.2 lbs. (5kg)	KALBPL1017
Prolite Light Box (14x18")	2191	20x17x4" (50x43x9cm) W.H.D.	18x14" (44x35cm) W.H.	13.1 lbs. (5.9kg)	KALBPL1418
Prolite Light Box (14x23")	2192	26x17x4" (66x43x9cm) W.H.D.	23x14" (59x35cm) W.H.	15.5 lbs. (7kg)	KALBPL1423
Prolite Light Box (14x47")	2193	50x17x4" (127x43x9cm) W.H.D.	47x14" (120x35cm) W.H.	28.5 lbs. (12.9kg)	KALBPL1447
Prolite Scan (14x14")	2182	15x11x4" (38x28x9cm) W.H.D.	14x14" (35x35cm) W.H.	25 lbs. (11.3kg)	KALBPLS1414
Prolite Basic Lightbox	2173	22x9.6x2.4" (56x24x6cm) W.H.D.	20.5 x 8" (52x20cm) W.H.	17 lbs. (7.7kg)	KALBPLB207
Prolite Basic Lightbox	2175	22x15x2.4" (56x38x6cm) W.H.D.	20.5x13.5" (52x34cm) W.H.	12 lbs. (5.4kg)	KALBPLB2013
Flatlite A4	2177	15x11x1.7" (38x28x5cm) W.H.D.	11x8" (25x20cm) W.H.	10 lbs. (4.5kg)	KALBFL811
Handylite Portable Lightbox	2170	16x13x3.5" (40x33x9cm) W.H.D.	10x8" (25x20cm) W.H.	10 lbs. (4.5kg)	KALBHL810
Prolite Mini + Portable	2189	20x16x3.9" (51x40x10cm) W.H.D.	10x8" (25x20cm) W.H.	10 lbs. (4.5kg)	KALBPLMP810



# LOGAN

## LIGHT BOXES

LIGHT BOXES

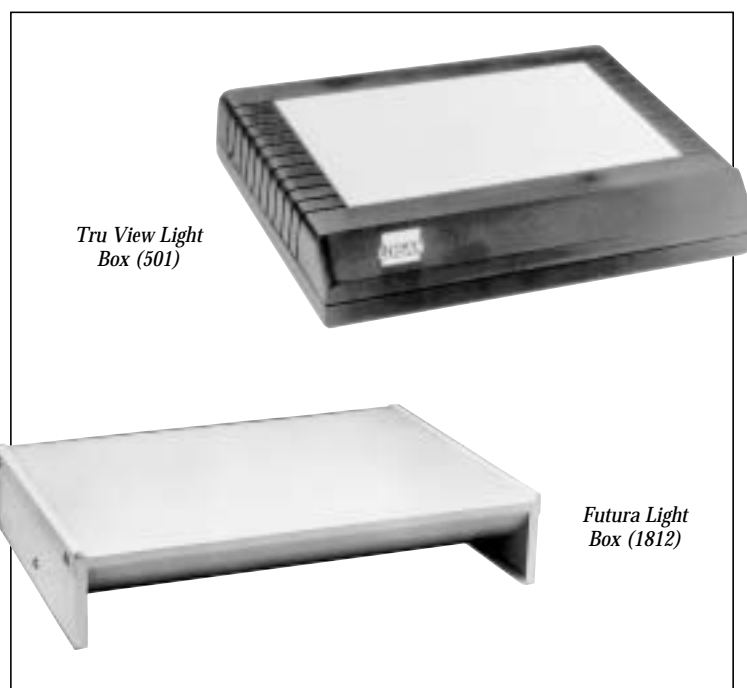
478

*Designed to provide even, uniform distribution of light, Tru-View light boxes by Logan come with ANSI Standard 5000K fluorescent lamps with a CRI rating of 91. They are all solidly-built with all-metal welded construction and a white baked-enamel finish. They can be used flat on a table, inclined or hung on a wall.*



Desk Top  
Light Box (810)

Tru View Light  
Box (2416)



Tru View Light  
Box (501)

Futura Light  
Box (1812)

### Desk Top Light Box (810)

The Desk Top Light Box is small enough to carry in a briefcase and store in a desk drawer. This unit has an 8.8 x 11.5" (22 x 29cm) viewing surface, as is equipped with a 5000K fluorescent lamp. Its outside dimensions are 12.5 x 9.5 x 2" (32 x 24 x 5cm) W.H.D., and it weighs 4.4 lbs. (2kg).

**Item # LOLB810. ....46.95**

### Tru View Light Box (501)

Battery-operated light box uses six "C" cell batteries (not included) and a Daylight fluorescent tube to provide bright lighting and an evenly illuminated surface. It will also work on AC current via an adapter which is supplied. Designed for portability, this light box easily fits in a briefcase or drawer, and has a translucent acrylic surface measuring 9.5 x 5.5" (24 x 14cm) W.H. Outside dimensions: 12.3 x 8.8 x 2" (31 x 22 x 5cm) W.H.D. Weighs 3.5 lbs. (1.6kg).

**Item # LOLB501. ....31.95**

### Tru-View Light Box (2416)

Mid-sized light box offers a 16 x 24" (41 x 61cm) viewing surface. It is supplied with two 20-watt 5000K fluorescent lamps, and moveable spring clips for holding transparencies. Its outside dimensions are 24 x 16 x 3.8" (61 x 41 x 10cm) W.H.D., and it weighs 18 lbs. (8.2kg).

**Item # LOLB2416. ....159.95**

### Tru-View Light Box (2500)

The Tru-View Light Box is a large light box that features 25 x 36" (64 x 91cm) viewing surface. Equipped with four 30-watt 5000K fluorescent lamps, moveable spring clips. The outside dimensions are 36 x 24.3 x 4.3" (91 x 62 x 11cm) W.H.D. It weighs 36 lbs. (16.3kg).

**Item # LOLB2500. ....269.95**

### Tru View 48" Light Box with 5000K (4816)

This light box offers a large 16 x 48" (41 x 122cm) viewing surface, which is lit by two 40-watt 5000 degree Kelvin fluorescent lamps. It comes with movable spring clips to hold artwork in place. Outside dimensions are 48 x 16 x 3.8" (122 x 41 x 10cm). Weighs 33 lbs. (15.1kg).

**Item # LOLB4816. ....209.95**

### Futura Light Box (1812)

Economically designed with an 18x12" (46 x 30cm) break-resistant translucent acrylic panel. Illuminated by a bright 15 watt 5000K color corrected lamp. All metal, welded construction with a white baked enamel finish. Features a scientifically designed reflector for better distribution and uniformity of light. 110-220v. AC. 10 ft. cord and plug. On-off switch. 18 1/4 x 12 1/4 x 3 1/2" (46 x 31 x 9cm). Weighs 7 lbs. (3.2kg).

**Item # LOLB1812. ....57.95**

# LOGAN

## LIGHT BOXES

LIGHT BOXES

479

### Other Light Boxes

#### Briefcase Light Box (6000)

A color corrected light box that is built into a briefcase, this model offers an 8.5 x 11.5" (22 x 29cm) acrylic viewing surface that is illuminated by a 5000 degree Kelvin fluorescent lamp. A specially designed reflector provides even light distribution. Case also offers storage areas for transparencies, slide pages, file folders, slide boxes, artwork, catalogs and so on. A ten-foot 110V power cord is included. On-off switch is built in. Key locks are included in this durable, lightweight package. Outside dimensions are 15 x 13 x 3.8" (38 x 33 x 10cm) Weighs 6 lbs. (2.7kg).

Item # LOLBBC.....**84.95**



Briefcase  
Light Box  
(6000)

#### Light Box with CC 5000K (1512)

Intermediate-sized light box with 15 x 11.5" (38 x 29cm) viewing surface comes with 5000 degree Kelvin fluorescent lamp. Angles at top and bottom of acrylic panel can be raised to accommodate a clear glass top for tracing. Outside dimensions are 15.5 x 12.3 x 3.5 inches. Weighs 7 lbs. (3.2kg).

Item # LOLB1512.....**88.95**

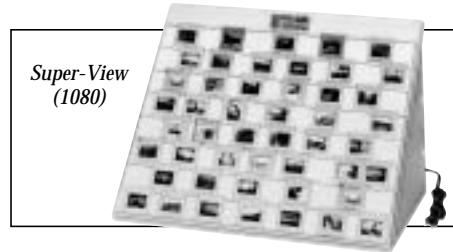
### Slide Sorters

Angled workspace holds 2 x 2" slides for viewing, editing and organizing your work. Uses a standard 60-watt light bulb (not included) and has a baked white enamel finish to reflect light and translucent styrene viewing panel for easy viewing of all slides. Folds flat for storage.

#### E-Z View (1055)

Holds up to 40 2-inch slides. It has a viewing area of 16 x 12" (41 x 30cm) W.H. The outside folded dimensions are 12 x 16 x 1" (20 x 41 x 2.5cm) W.H.D. The E-Z View weighs 3 lb. (1.4kg)

Item # LOSS1055.....**24.50**



Super-View  
(1080)

#### Super-View (1080)

Holds up to 80 slides. The Super View has a viewing area of 20.5 x 17.5" (52 x 44cm) W.H. The outside folded dimensions are 17.5 x 20.5 x 1" (44 x 52 x 2.5cm) W.H.D. It weighs just 6 lb. (2.7kg).

Item # LOSS1080.....**38.50**

### Accessories for Light Boxes

#### Lamp (6052)

For the Porta-View Light Box (2020).

Item # LOLLB2020 .....**13.95**

#### Lamp (6051)

For the Tru-View Light Box (2416).

Item # LOLLB2416. ....**16.95**

#### Lamp (96F8T5D)

For the Desk Top Light Box (810)

Item # LOLLB810.....**5.95**

### Porta View Series



#### Porta-View Light Box (2020)

Similar to the Desk Top Light Box, the Porta View Light Box features a larger 12 x 17" (30 x 43cm) viewing surface and comes with a vinyl cover and heavy-duty strap handle. It includes a 5000K fluorescent lamp. Its dimensions are 18 x 14.5 x 3.5" (46 x 37 x 9cm) W.H.D. Weighs just 10.5 lbs. (4.8kg).

Item # LOLB2020.....**89.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# PORTA - TRACE

## LIGHT BOXES

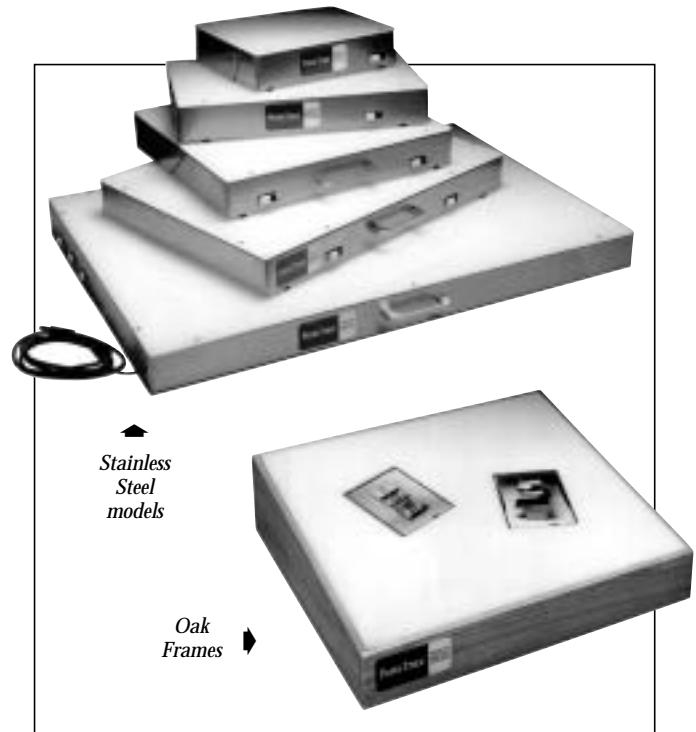
LIGHT BOXES

480

*The newly redesigned line of Porta-Trace light boxes virtually eliminates the "hot spots" found in other units. The frames and reflectors combined with the thick plexiglass top - provides uniform and even lighting over the entire viewing surface. The standard line of portables has a 304 stainless steel frame for durability and long life. Porta-Trace will maintain its attractive appearance for years. The three and four bulb units are equipped with two on/off switches to enable the user to vary the light to suit the job. The 2436-6C is equipped with three on/off switches each controlling 2 bulbs.*

*The oak light boxes are constructed of 5/8" (1.6cm) thick solid hard oak, complete with glass top and plexiglass. #1214 is available with plexiglass only.*

*The table units have 4 tilt adjustments from 0° to 40°.*



### SPECIFICATIONS OF STAINLESS STEEL FRAME UNITS

MODEL NO.	OVERALL SIZE	HEIGHT	FLUORESCENT LAMPS	SHIPPING WEIGHT	TOTAL WATTS	ITEM #	B&H PRICE
618-1C	6 x 18" (15 x 46cm)	2 1/8" (7.3cm)	1	5 lbs.	15	POLB6181C	54.95
1012-2C	10 x 12" (25 x 30cm)	2 1/8" (7.3cm)	2	5 lbs.	16	POLB10122C	42.95
1118-2C	11 x 18 3/4" (28 x 47cm)	2 1/8" (7.3cm)	2	8 lbs.	30	POLB11182C	69.95
1417-2C	15 x 18" (38 x 46cm)	2 1/8" (7.3cm)	2	9 lbs.	30	POLB14172C	112.95
1618-2C	16 x 18 3/4" (41 x 47cm)	2 1/8" (7.3cm)	2	10 lbs.	30	POLB16182C	124.95
1618-4C	16 x 18 3/4" (41 x 47cm)	2 1/8" (7.3cm)	4	12 lbs.	60	POLB16184C	159.95
1824-2C	18 x 24 3/4" (38 x 62cm)	2 1/8" (7.3cm)	2	13 lbs.	40	POLB18242C	169.95
1824-3C	18 x 24 3/4" (38 x 62cm)	2 1/8" (7.3cm)	3	14 lbs.	60	POLB18243C	185.95
1824-4C	18 x 24 3/4" (38 x 62cm)	2 1/8" (7.3cm)	4	15 lbs.	80	POLB18244C	199.95
2436-4C	23 1/4 x 36 3/4" (61 x 92cm)	2 1/8" (7.3cm)	4	24 lbs.	80	POLB24364C	254.95
2436-6C	23 1/4 x 36 3/4" (61 x 92cm)	2 1/8" (7.3cm)	6	26 lbs.	120	POLB24366C	285.95
3648-4C	36 3/4 x 48" (92 x 122cm)	2 1/8" (7.3cm)	4	49 lbs.	160	POLB36484C	509.95

*Subject to change without notice*

### SPECIFICATIONS OF 5/8" THICK SOLID OAK FRAME

MODEL NO.	OVERALL SIZE	HEIGHT	FLUORESCENT LAMPS	SHIPPING WEIGHT	TOTAL WATTS	ITEM #	B&H PRICE
1214-2WC	11 1/4 x 12 1/2" (29 x 34cm)	4" (10cm)	2	7 lbs.	16	POLB12142WC	69.95
1618-3WC	17 1/4 x 19 1/2" (44 x 50cm)	5" (12.7cm)	3	20 lbs.	30	POLB16183WC	143.50
1824-3WC	19 1/4 x 25 1/2" (49 x 65cm)	5" (12.7cm)	3	27 lbs.	60	POLB18243WC	213.50

*Subject to change without notice*

**Equipment Leasing Available**

# P O R T A - T R A C E

## L I G H T B O X E S

LIGHT BOXES

481

### Image Viewing System

#### Image Viewing System

The Image Viewing System is the solution to your viewing, sorting, comparing and organizing quantities of slides, negatives and transparencies. These units have strong uniform lighting with independent switches for each light box. They come with a thick plexiglass for a stable work surface that is also designed to take glass. With the modular type construction, you pick the configuration you need. A single table-top system can be converted later to a base mounted or double unit by ordering the base and brackets.

16 x 24 (41 x 61cm) Modular Light Box (IVS-1624)

Item # POLBM1624.....179.95

16 x 48 (41 x 122cm) Modular Light Box (IVS-1648)

Item # POLBM1648.....239.95

Bracket (IVS-BRACKET)

To make double units.

Item # POBMLB.....24.50

Base for 1624 Light Box (IVS-BASE)

For the 16 x 24 Modular Light Box. Working surface will be 35" (89cm) high. Weighs 33 lbs. (15kg).

Item # POBMLB1624 ....123.50

Base for

1648 Light Box (IVS-BASE)

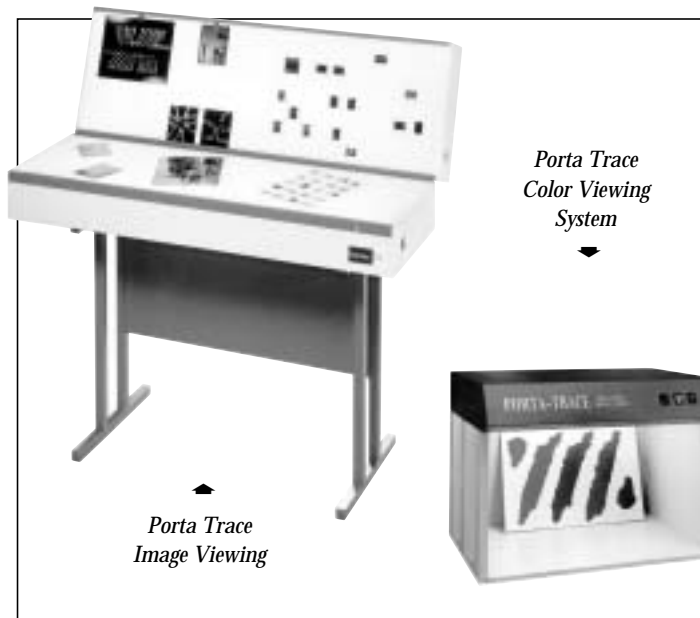
For the 16 x 48 Modular Light Box. Working surface will be 35" (89cm) high. Weighs 37 lbs. (16.8kg).

Item # POBMLB1648 ....129.50

Slide Sorter (1624)

15 x 23". (38 x 58cm). Holds 77 slides.

Item # POSS1624 .....6.95



### Color Viewing System

#### Color Viewing System (PVS1525)

This is a lighting booth that is used for applications where materials or colors require evaluation under specific lighting conditions. The True Color Viewing System offers lighting to stimulate office or retail space, home and outdoor lighting. This allows color selection or matching with the type of lighting the color is going to be used in. Any application where color selection or matching is critical, such as printing, paint selection, color, comparisons, photographic, commercial, art, advertising, layout, residential, decorating, commercial decorating, and fashion. 115 VAC. 176 watts all switched. Light source is 2 5000K fluorescent tubes for artificial daylight, 2 cool white fluorescent tubes for store/office lighting, and 2 incandescent tungsten bulbs for home lighting. Its outside dimensions are 19.9 x 27 x 17.5" (51 x 69 x 44cm) HWD. Its inside dimensions are 15 x 25.3 x 15" (38 x 64 x 38cm) HWD. It weighs 50 lbs. (22.6kg).

Item # POCVS .....519.00

### Porta Trace Accessories

#### Carry Case

For models 1012 and 1214. Ideal for travel and storage. Constructed of durable laminated vinyl, they come with two inside pockets for storage.

Item # POCLB1012 .....19.95

#### Slide Sorter 9 x 12 (1012)

Holds 24 slides.

Item # POSS912 .....7.50

#### Slide Sorter 16 x 24

Holds 77 slides.

Item # POSS1624 .....6.95

### System Light Boxes

#### 1624 Image Viewing System

Consists of two 1624 light boxes, one Bracket 1624, and one Base 1624.

Item # POLBM1624K...497.50

#### 1648 Image Viewing System

Consists of two 1648 light boxes, one Bracket 1648, and one Base 1648.

Item # POLBM1648K...604.50

### SPECIFICATIONS OF SYSTEM LIGHT BOXES

MODEL NO.	OVERALL SIZE	FRAME HEIGHT	FLUORESCENT LAMPS	SHIPPING WEIGHT	TOTAL WATTS
1624	24.5 x 16.3" (62 x 41cm)	5.8" (15cm)	3	20 lbs.	60
1648	48.5 x 16.3" (123 x 41cm)	5.8" (15cm)	4	37 lbs.	160

Subject to change without notice

### TABLE MOUNTED UNITS

2436-4TC	30" x 42" (77 x 107cm)	37 1/2" (95cm)	4	100 lbs.	80	POLT24364TC	509.95
3648-4TC	42 x 54" (107 x 137cm)	37 1/2" (95cm)	4	137 lbs.	160	POLT36484TC	744.95

Subject to change without notice



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# TUNDRA

## LIGHT BOXES

LIGHT BOXES

482

*Built with the budget-minded on-the-go user in mind, Tundra light boxes are small, lightweight, convenient and battery-powered for no-fuss setup anywhere, any time. Ideal for presentations on location, Tundra light boxes come in a variety of sizes that will fit in a briefcase and can be used even if there are no outlets. All models are durable enough to withstand the rigors of travel, and utilize a standard daylight fluorescent lamp for true color viewing. An optional AC adapter is available for most models.*

### Light Boxes

#### Portable Light Box 4x5 (96 PLB)

Built for portability, this light box can handle sheet film, slides, film strips, etc. Operates on 4 C batteries (not included) or optional AC adapter. Viewing area is 4x5" (10 x 13cm).

Item # TULB45 .....17.95

#### Portable Light Box 4x5

Same as above with AC adapter.

Item # TULB45AC .....26.95

#### Compact Portable Light Box 5x7 (96CPLB)

Features a 5 x 7" (13 x 18cm) viewing area, runs on 6 AA batteries (not included) and comes with AC adapter and vinyl sleeve to protect the translucent surface.

Item # TULB57AC .....29.95

#### Deluxe Portable Light Box 8x10 (96DPLB)

Portable but large enough to show a substantial number of slides at once, the Deluxe model is ideal for viewing and sorting. It uses a standard daylight fluorescent lamp and uses 4 D batteries (not included).

Item # TULB81 .....39.95

#### Deluxe Portable Light Box 8x10

Same as above with a 9v AC adapter

Item # TULB81AC .....44.95

#### Deluxe Portable Light Box Kit

This package includes a DPLB light box described above nestled in a black nylon case with teal piping, adjustable shoulder strap, carrying handle and fabric fastener partitions in the interior that adjust to fit contents. The case measurements are 14 x 14 x 2.5" (36 x 36 x 6cm) W.H.D. and it weighs just .8 lbs. (360g). Also included is a Tundra AC9v transformer. Portable and convenient.

Item # TULB81K .....59.95

#### Bulb for Portable 4x5" Light Box (96F4T5D)

Item # TULLB45 .....2.95

#### Bulb for Portable 5x7" Light Box (96F6T5D)

Item # TULLB57 .....4.95

#### Bulb for Deluxe Portable Light Box (96F8T5D)

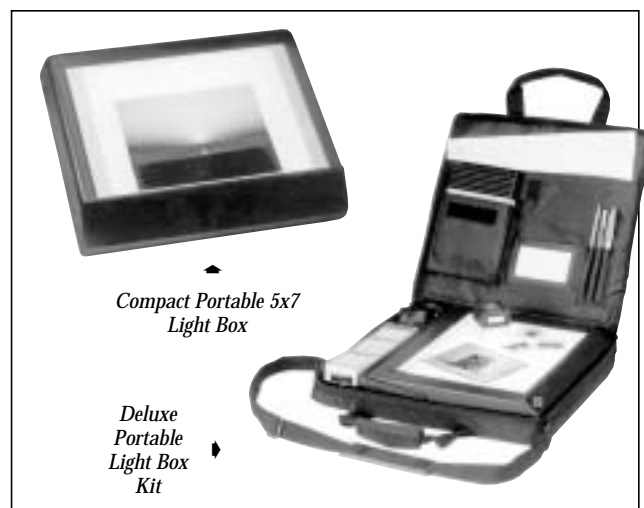
Item # TULLB81 .....5.95

#### 6 Volt AC Adapter for Portable Light Box (96AC6V)

Item # TUACALB45 .....9.95

#### 9 Volt AC Adapter for Deluxe Light Box (96AC9V)

Item # TUACALB81 .....11.95



### TUNDRA LIGHT BOXES SPECIFICATIONS

Description	Item #	Outside Dimensions	Viewing Area	Weight
Portable 4x5" Light Box	TULB45	7.3x6x2" (18x15x5cm) W.H.D	5x4" (13x10cm) W.H.	0.8 lbs. (36g)
Portable 4x5" Light Box w/AC Adapter	TULB45AC	12.5x7.5x2.3" (32x19x7cm) W.H.D.	5x4" (13x10cm) W.H.	1.4 lbs. (635g)
Light Box 5x7" w/AC Adapter	TULB57AC	13.3x11.5x2.8" (36x29x7cm) W.H.D.	7x5" (18x13cm) W.H.	2.2 lbs. (1kg)
Deluxe Portable Light Box 8x10	TULB81	14.5x14.5x3" (37x37x8cm) W.H.D.	10x8" (25x20cm) W.H.	2.9 lbs. (1.3kg)
Deluxe Portable Light Box 8x10 w/AC	TULB81AC	14x14x2.5" (36x36x6cm) W.H.D.	10x8" (25x20cm) W.H.	3.6 lbs. (1.6kg)
Dlx Portable Lt Box Kit 8x10	TULB81K	14x14x2.5" (36x36x6cm) W.H.D.	10x8" (25x20cm) W.H.	4.4 lbs. (2kg)

Subject to change without notice

**Most Orders Shipped Within 24 Hours**



# M I S C E L L A N E O U S

## T H I N L I G H T B O X E S

### Visual Plus

Visual Plus makes the world's thinnest portable slide and transparency viewers. They feature super thin lightweight units with super bright 5000° daylight balanced illumination. All units are compact and will fit in any briefcase or portfolio.



#### Slim Portable 4x5 Viewer (6050V)

With AC adapter and vinyl pouch. The 6050V is the perfect 4 x 5" mini viewer. It has a viewing area of 5.3 x 4.1" (13.5 x 10.5cm), and can be used with a 9v battery or AC adapter.

**Item # VIV45 .....54.95**

#### Slim Portable 6x8 Viewer (5050V)

Viewing area of 6 x 8" (15.2 x 20.4cm). It can be tilted 45°. Works with a supplied 120v transformer.

**Item # VIV68.....119.95**

#### Slim Portable 8 1/2 x 12 Viewer (4050V)

Viewing area of 8.5 x 12.25" (21.6 x 31cm). It can be tilted 45°. Works with a supplied 120v transformer.

**Item # VIV8.512.....169.95**

### SLIM PORTABLE SPECIFICATIONS

Model	Viewing Area	Dimensions	Height	Weight
6050V	4.1x5.3" (10.5x13.5cm)	6.3x6.3" (16.1x16.1cm)	.78" (20mm)	8 oz. (228g)
5050V	6x8" (15.2x20.4cm)	8.5x10.8" (21.6x27.5cm)	.47" (12mm)	25 oz. (720g) without adapter
4050V	8.5x12.25" (21.6x31cm)	10.7x14.6" (27.2x37.2cm)	.47" (12mm)	3 lbs. (1350g) without adapter

*Subject to change without notice*

### Logan

#### Slim Edge Light Pad (A5A)

Ultra-thin 1/2" (14mm) light box provides even, bright illumination. 8 x 10" (20.3 x 25.4cm) viewing surface for viewing slides, negatives, and transparencies.

Has two 5400K color corrected lamps with 20,000 hour life. Can be used on a table, standing at an incline, or hung flat on a wall.

Displays photo transparencies held under a clear plastic panel. Powered by a 12v DC adapter. Dimensions are 12 1/4 x 9 1/4 x 1/2" (31.1 x 23.5 x 1.3cm). Weighs 2 lbs. (907g).

**Item # LOLBA5A .....89.95**



### Cabin Light

#### Cabin Light Panel

The Cabin CL-5000P is a portable lightweight daylight balanced transparency viewer. Less than half an inch thick. The super flat light panel offers stylish design and pocket compactness. Allows instant checking of films

and transparencies up to 4 x 5" (10.2 x 12.7cm). Dimensions are 7 1/4 x 4 1/2 x 1/2" (19.2 x 11.4 x 1.3cm). It weighs only 9.2 oz. (260g) with the 4AAA batteries which are included.

**Item # CALP .....79.95**

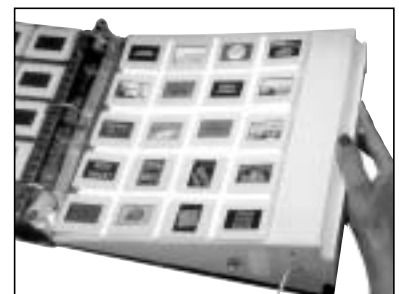


### Lite-A-Page

#### Lite-A-Page 2

The fastest and most economical method for viewing slides, negatives or any type of transparencies housed in standard ring binders. The slides or negatives remain in the ring binder and the user simply inserts the Lite-A-Page between the pages. The back side of the unit has four horizontal rows to hold up to twenty individual slides for viewing, sorting or sequencing and is illuminated by a bright 13 watt 5000K color correct fluorescent lamp. Its dimensions are 11 x 11" (28 x 28cm). It is 2 1/4" (7cm) at its thickest, and 1/4" (6mm) at its thinnest part, and weighs 28 oz. (794g).

**Item # CALAP .....49.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



# The Professional Photo SourceBook

## Section 11

### Library

Photo Books ..... 486-495

Video Tapes ..... 496-497

# BOOKS

## BOOKS OF INTEREST

LIBRARY

486



### CREATIVE TECHNIQUES FOR PHOTOGRAPHING CHILDREN

Creative, beautiful, lively portraits and candid shots of children. Explores every aspect in the studio or at home. More than 125 full-color and b&w photo illust: finding your own personal style, making your photos creative, creating great compositions, portrait lighting, locations & backdrops, processing & printing, working with kids and parents. 8 x 11, 140 p.

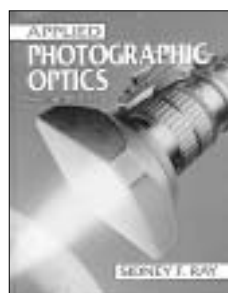
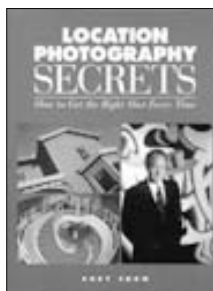
Item # BOCTPC.....24.50

### LOCATION PHOTOGRAPHY SECRETS

How to Get the Right Shot Every Time

Whether on a factory floor or a mountain peak, this book will help you meet the technical challenges you are bound to encounter. Includes: using lenses, creative composition, using filters and more! 8 1/2 x 11, 144 p. 150 color illustrations.

Item # BOLPSQ .....24.95



### APPLIED PHOTOGRAPHIC OPTICS, IMAGING SYSTEMS FOR PHOTOGRAPHY, FILM & VIDEO —

Second Edition  
by Sidney F. Ray

The most extensive treatment of optics and its practical application to visual media gathered in one source. 526 p.

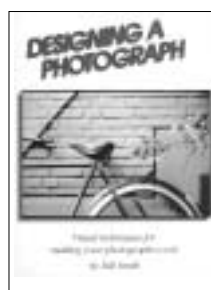
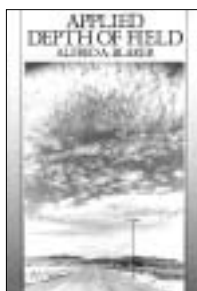
Item # BOAPO .....(hardbound) 112.50

### APPLIED DEPTH OF FIELD

by Alfred A. Blaker

A complete guide for photographers on the application of depth of field principles. Excellent for photographers of all levels. 282 pages.

Item # BOADF.....(spiral bound) 52.95

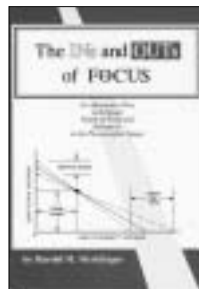


### DESIGNING A PHOTOGRAPH

by Bill Smith

"Insights on design and the way the mind and eye tend to order visual information. . . stresses the refinement of one's unique vision." — Petersen's PhotoGraphic. Striking visual exercises teach how to design and organize photographs. 8 x 11, 144 p. 150 color plates. 25 black & white illustrations.

Item # BODPZ.....(paper) 22.50



### THE INS AND OUTS OF FOCUS

by Harold M. Merkinger

Perfect for the advanced photographer who wants to master the imaging process! Challenging and stimulating, this book contains loads of information not in any other popular book on photography! 6 x 8 1/2, 86 p. , 40 illustrations and diagrams, bibliography, addendum, index.

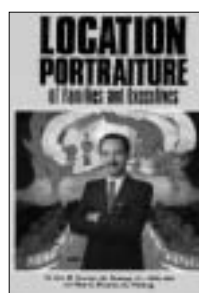
Item # BOIOF.....14.95

### LEARNING TO SEE CREATIVELY

by Bryan Peterson

A noted photographer couples average photographs with greatly improved images of the same scene to illustrate how to improve photographic vision. From scenics to portraits, he discusses the compositional and technical methods of perfecting photography. 8 x 11, 144 p. 180 full-color illustrations.

Item # BOLSC .....(paper) 18.95



### LOCATION PORTRAITURE OF FAMILIES AND EXECUTIVES

Outlines the many advantages, both creative & financial, that make location shooting more challenging, rewarding and fun. Sections include: Choosing equipment, techniques of lighting control, photographing and lighting for impact and sales, photographing families and executives outdoors, filters and films etc. 8x11, 88 p. Over 90 color & b&w photographs.

Item # BOLPFE.....29.95

### NIGHT AND LOW-LIGHT PHOTOGRAPHY

A Complete Guide

by Bob Gibbons and Pete Wilson

Fully illustrated guide! Includes: equipment, filters and film information. Night photography of sky lines, people, landscapes. Packed with examples! 8 x 10, 192 p. 43 black and white photographs.

Item # BONLLP .....18.95



### THE PERFECT PORTFOLIO

by Henrietta Brackman

"Answers many of the how-to questions for building a sophisticated, successful, and effective professional photographer's portfolio . . . full of selling tips." — The Professional Photographer. Explains most of the necessary concepts that are needed to put together a portfolio. 8 x 11, 144 p. 250 color plates, 35 black & white illustrations.

Item # BOPP .....(paper) 18.95

We Exhibit at National and Regional Shows/Conventions



### PHOTOGRAPHIC COMPOSITION

by Tom Grill and Mark Scanlon

"An extremely well-written manual, excellent in design and illustration." — Publishers Weekly. Best-selling authors Grill and Scanlon demonstrate specific techniques for mastering composition in both black & white and color. 8 x 11, 144 p. 80 color photographs, 130 black & white illustrations.

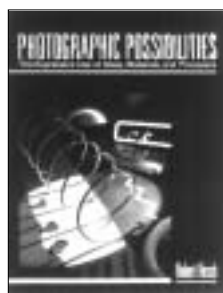
Item # BOPC.....(paper) 19.95

### 50 PORTRAIT LIGHTING TECHNIQUES FOR PICTURES THAT SELL

Rev. Ed. by John Hart

Featuring 100 new color photographs & dozens of new strategies, this bestseller has been updated to cover both studio & outdoor settings. Each technique is illustrated with background photographs showing the placement of equipment, plus a lighting diagram. 8 1/4 x 11, 144 p. 124 full-color illus. 255 B&W.

Item # BO50PLT.....24.95



### PHOTOGRAPHIC POSSIBILITIES

by Robert Hirsch

Learn to expand your skills through both the classic as well as progressive methods of creating and manipulating photographic images. Includes silver, non-silver and experimental photography. Also contains reproductions of the works of almost 100 of today's top photographers. 304 p.

Item # BOPPZ.....(paperbound) 44.95

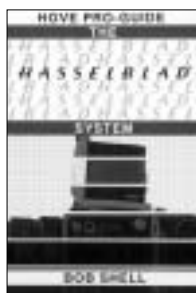
Hove Pro Guide —

### THE HASSELBLAD SYSTEM

by Bob Shell

The guide to the Hasselblad system and how to use it for the best effect in creative photography. Bob explains the use of current models as well as older ones which are still suitable for pro use today. He covers the 500C, 500CM, 500EL, 500ELX, 2000FFC, 2000FCM, 2000FCW, and 205TCC. 5 1/4 x 8 1/2, 208 p.

Item # HOHS.....29.95



Hove Pro Guide —

### COMPLETE BRONICA SLR SYSTEMS USERS GUIDE

by Michael Beard

The complete users guide to the Bronica ETRSi, SQ-Ai and GS-1 cameras. This book details from the introduction of the first Bronica camera to the current models. Accessories for this system are explained item by item. 5 x 7 1/2, 160 p.

Item # HOB.....(paper) 19.95



### UNDERSTANDING EXPOSURE :

How to Shoot Great Photographs

by Bryan Peterson

This companion volume to *Learning to See Creatively* shows how to efficiently combine aperture, shutter speed and film speed to make superior photographs. 8 x 11, 144 p. 150 color photographs.

Item # BOUE.....(paper) 22.50

### ADVENTURES IN CLOSE-UP PHOTOGRAPHY

by Lief Erickson and Els Sincebaugh

Fifty exciting projects designed to teach how to "see" the dramatic close-ups all around us. Teaches the techniques experts use and shows how to adapt them to specific equipment. Plenty of how-to pictures and clear technical information. 8 x 11, 144 p. 253 color plates. 12 black & white illustrations.

Item # BOACUP.....(paper) 22.50



### CAMERA MAINTENANCE & REPAIR

Learn to troubleshoot, maintain and repair your own equipment! Concise, step-by-step instruction on all popular camera formats. Over 130 detailed diagrams, photographs and illustrations. Features general disassembly and repair techniques, specialized repair methods for hundreds of cameras and accessories, how to build your own test instruments and much more! 8 x 11, 176 pages.

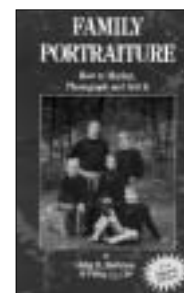
Item # BOCMR.....23.50

### FAMILY PORTRAITURE —

How to Market, Photograph, and Sell It

Establish a successful family portrait business step-by-step. Focuses on the right clients, creating artistically pleasing photos that emotionally satisfy clients, and maximizing every order. Contains successful marketing techniques! Fully illustrated with example portraits and more! Also advertising strategies & sample graphics. 6 x 9, 98 pages.

Item # BOFP.....16.95



### ILLUSION —

The Art and Craft of Special Effects for Still Photography

by Hunter and Fuqua

Provides hard-to-find tips and techniques for designing and creating physical, in-camera, laboratory and optical effects. A virtual "tool-box" for those photographers who want to create an altered reality. 131 pages.

Item # BOIACSESP.....(cloth) 47.50



# BOOKS

## BOOKS OF INTEREST

LIBRARY

488



### RE-ENGINEERING THE PHOTO STUDIO

Bringing Your Studio into the Digital Age  
by Joe Farace

Shows start-up and pro photographers how to digitize both business and technical operations. Concrete guidance takes the reader through every conversion phase, exploring digital cameras, conversions and launching digital services and products. 224 pages, 6x9". 20 b&w illustrations.

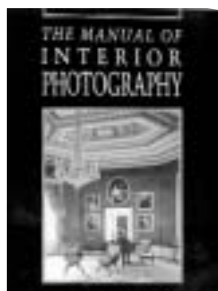
Item # BORPS .....(paper) 18.95

### MANUAL OF INTERIOR PHOTOGRAPHY

by Michael Harris

A pro-level text on the complete principles of interior photography. Covers equipment, theory, composition, technique, etc.

Item # BOMIP .....37.95



### MASTER BOOK OF WEDDING AND BRIDAL PHOTOGRAPHY

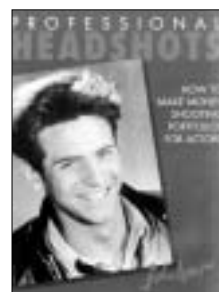
The knowledge to get started with wedding photography. Reflects years of experience by top pros. This book will make you money and save time. Includes: getting started, promotion and selling, posing, using light, wedding photography techniques, portrait lists, and more! 8½ x 11, 160 pages. Illustrated.

Item # BOMBWBP .....39.95

### KODAK PROFESSIONAL PHOTOGUIDE 5th Edition

Sized to carry in your camera bag. Includes up-to-date information on black & white and color photographs, as well as data sections on films, exposures, reciprocity, filtration, flash, camera lenses and perspective. Also several tables and charts, plus a Kodak 18% gray card. 8 dial calculators. 6 x 8½, 56 pages.

Item # KOBPPG .....(softbound) 24.95



### PROFESSIONAL HEADSHOTS—

How to Make Money  
Shooting Portfolios for Actors  
by John Hart

The best-known headshot photographer in New York presents the techniques of shooting portfolios for actors. Every step in the process is detailed, from finding clients to establishing fees to lighting the set. 8½ x 11, 144 pages. 160 b&w photos. 20 diagrams.

Item # BOPHS .....(paper) 22.50



### PROFESSIONAL TECHNIQUES FOR THE WEDDING PHOTOGRAPHER

by George Schaub

"How to take seemingly every type of picture needed for a wedding album. Provides coverage of the business aspects." — Popular Photography. 8 x 11, 144 pages. 160 color plates. 10 black & white illustrations.

Item # BOPTWP .....(paper) 17.95

### WEDDING PHOTOGRAPHY — The Business

by Paul F. Frew

Outlines advertising, sales promotion procedures and use of media. Covers the means of obtaining customer and vendor referrals, how to price your pictures to ensure a good profit & how to control the sales interview & the pre-wedding interview. Outlines the basic elements of good wedding photos. 132 photos, complete with camera settings & lighting diagrams. 106 p.

Item # BOWP .....39.95



### PHOTOGRAPHING BUILDINGS INSIDE AND OUT

2nd Ed. Rev. & Enlg. by Norman McGrath

This definitive reference covers the fundamentals of photographing residential, commercial and public spaces. Updated throughout with new photographs and the latest information on equipment and business practices. 8½ x 11, 208 pages. 200 color and 10 black & white illustrations. Index.

Item # BOPBIOP .....27.50

### STOCK PHOTO SMART

by Joe Farace

This book shows you how to find, choose and use photography. Included in this illustrated guide are topics such as color management, choosing and setting up printers, working with service bureaus, data base software and image manipulation. Color and b&w illustrations. 7x9, 144 pages.

Item # BOSPS .....(paper) 37.95



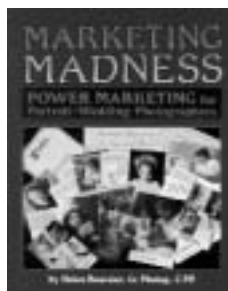
### MAKE-UP FOR PHOTOGRAPHY

by Elliot de Picciotto

Offering makeup to your clients makes them feel and look better. This step-by-step guide shows you how makeup can reduce your retouching expenses and increase the quality of your photos! Covers theory, application, the lotions, potions, tools and techniques you'll need. 8 x 11, 35 p. b&w photos, booklet format.

Item # BOMUP .....17.95





### MARKETING MADNESS:

Power Marketing for

Portrait-Wedding Photographers

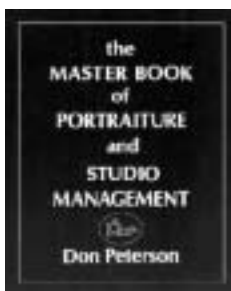
This book contains proven and profitable marketing techniques for portrait-wedding photography. It includes: pricing, strategies, methods, marketing portraits, weddings, developing a plan of action and more! 8 x 11, 206 pages.

Item # BOMM .....41.95

### MASTER BOOK OF PORTRAITURE AND STUDIO MANAGEMENT

Success in studio photography starts with this business plan! Features 50 profitable promotions to start and maintain your own photography business. Covers: advertising, image building, portrait rules, selling, professionalism, etc. Fully illustrated with example portraits and how to photograph them. 101 black & white illustrations 8 x 11, 147 p.

Item # BOMBPSM .....28.50



### MASTERING BLACK-AND-WHITE PHOTOGRAPHY

by Bernhard J. Suess, Allworth Press

Develop expert skills in the art and technique of black & white photography. Thoroughly and pleasantly traces the process from cameras, lenses and film to developing, printing, light and aesthetics. Learn composition, exposing, processing, mounting and selling. Includes charts and diagrams. 6 1/2 x 10, 240 p.

Item # BOMBWPCDR.....(paper) 17.95

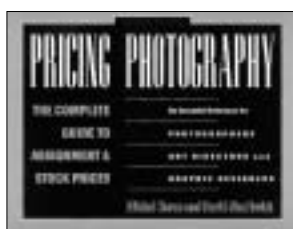
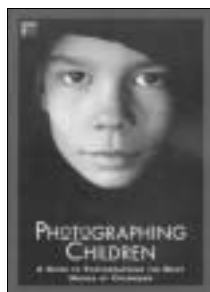
### PRO-PHOTO: PHOTOGRAPHING CHILDREN

A Guide to Photographing the Many Moods of Childhood

by Jonathan Hilton, RotoVision S.A.

These pages will inspire professional and amateur photographers, and proud parents who enjoy the challenge of capturing children on film. Expert tips and details. 40 color and 50 black & white illustrations. 7 1/2 x 10 1/2, 160 p.

Item # AMPPPC .....(paper) 33.50



### PRICING PHOTOGRAPHY: The Complete Guide to Assignment and Stock Prices

by Michal Heron & David MacTavish

This thoroughly researched resource explains how to price both assignment and stock photography and gives detailed charts that can be used to determine specific prices. It also includes strategies for negotiating. 11 x 8 1/2, 128 pages. Index.

Item # BOPPY .....(paper) 19.95



### KODAK'S

PROFESSIONAL

PHOTOGRAPHIC ILLUSTRATION

Learn the secrets of top professional photographers for photographing food, models, fashion, architecture, consumer products and technology. Covers equipment use with creative emphasis. Over 120 illustrations plus lighting charts. 8 1/2 x 11, 160 pages.

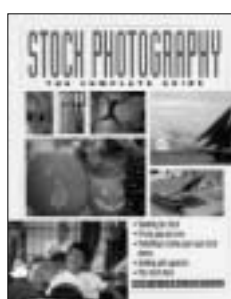
Item # KOBPPI.....(paper) 24.95

### SHOOTING FOR STOCK

by George Schaub

Contains an up-to-date analysis on how to create, organize and market photographs. Contains step-by-step information on tools and techniques, along with the profiles of successful stock photographers, lists of agencies, marketing sources, business techniques and organizations. 8 x 11, 144 p. 180 full-color photos. 40 black & white illustrations.

Item # BOSS .....(paper) 22.50



### STOCK PHOTOGRAPHY—

The Complete Guide

Everything you need to know to succeed in the stock photography market. Learn each step of the process, from shooting for stock to organizing your current inventory of photos. Includes: shooting, marketing, agencies and more! 8 1/2 x 11, 144 pages. Color photos.

Item # BOSPCG .....19.95

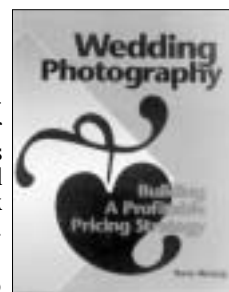
### WEDDING PHOTOGRAPHY—

Building A Profitable Pricing Strategy

by Steve Herzog

Learn to sell your wedding photography: produce a quality product, while yielding a fair profit. Offers detailed, clearly explained ideas to boost sales averages. Helps you control "extra" time and booking deposits, track expenses and monitor your competition. Includes 9 sample price lists. 8 1/2 x 11, 191 p.

Item # BOWBPBS .....(softcover) 39.95



### WEDDING PHOTOGRAPHY —

Getting Clients to Return their Proofs

by Steve Herzog

A great order can transform itself into an average order because clients wanted to keep the proofs "just a little longer". If you're serious about getting your proofs returned on time and want to keep your wedding assignments moving forward on schedule, this book will pay for itself. 8 1/2 x 11, 68 pages.

Item # BOWPGCRP .....(softcover) 16.95

# BOOKS

## BOOKS OF INTEREST

LIBRARY

490



### THE TECHNIQUE OF THE PROFESSIONAL MAKE-UP ARTIST

Revised Edition by Vincent J-R Kehoe

Covers all the current studio make-up methods and lab techniques, from the basic "paint-and-powder" procedures that are the bulk of any professional make-up artist's work to new visual effects that can be achieved using puppetry, digital computing & electronic coloration. More than 250 photographs and illus. 290 pages.

Item # BOTPMUA.....47.95

### PDN's PHOTO SOURCE '98

published by Photo District News

This is the professional Image Maker's directory - a guide to sources and services every photographer needs. Thousands of listings! Over 50 USA and international cities listed. Provides roundups of where to buy and rent conventional photo equipment, as well as hard-to-find props. Includes sources for electronic imaging and imaging software.

Item # BOPPS98.....29.95



### ADVENTURES IN LOCATION LIGHTING

by Jon Falk

Lighting wizard Jon Falk tells you where and how to get the most out of your equipment. Filled with step-by-step lighting techniques and innovative equipment modifications, this is the essence of Falk's popular lighting seminars in 200 entertaining and informative pages. Amply illustrated. 8½ x 11, 210 pages.

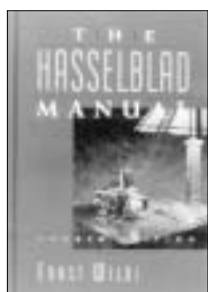
Item # BOALL.....39.95

### FOCUSING THE VIEW CAMERA

by Harold M. Merklinger

Only book of its kind! Understand optical principles and the view camera's remarkable focal flexibility! Covers the Scheimpflug Principle, the Hinge Rule, and accurately approximating depth-of-field! 6 x 9, 128 pages. Pull out charts. 33 tables. 78 illustrations. Addendum.

Item # BOFVC.....17.95

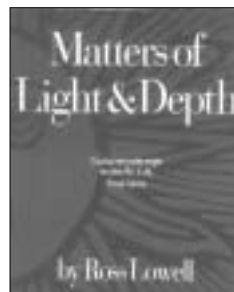


### THE HASSELBLAD MANUAL — Fourth Edition, Revised

by Ernst Wildi

This well-known manual concentrates on the camera's enormous potential through its comprehensive range of lenses and accessories. Includes all information necessary for operating the equipment and obtaining the best results. Also includes new chapter on latest Hasselblad equipment. 416 pages.

Item # HABHM.....(cloth) 54.95



### MATTERS OF LIGHT & DEPTH: Creating Memorable Images for Video, Film and Stills Through Lighting

by Ross Lowell

Basic information and advanced techniques are covered in this resource, from setting up a studio and composing with light to using multi-light approaches and working with natural light.. 8 x 10, 226 p. 55 diagrams, 37 color photos and 76 black & white photos.

Item # BOMLD.....(paper) 27.50

### MEDIUM FORMAT PHOTOGRAPHY

by Lief Erickson

This user's guide provides an illustrated overview of medium format equipment and applications and shows how recent automation has made medium format work easier than ever. 8 x 11, 144 pages. 130 color photos. 40 black & white photographs. 6 diagrams.

Item # BOMFPP.....(paper) 24.95



### SECRETS OF STUDIO STILL LIFE PHOTOGRAPHY

by Gary Perweiler

Anyone who's interested in creative still life photography . . . will love this book . . . A four-star effort." — Petersen's PhotoGraphic. Full color photographs, with detailed diagrams and technical explanations. 8 x 11, 144 pages. 120 color plates. 50 line drawings. Glossary. Index.

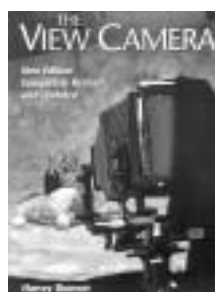
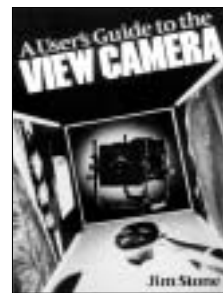
Item # BOSSSLP.....(paper) 19.95

### A USER'S GUIDE TO THE VIEW CAMERA

by Jim Stone

A classic view camera reference. Covers everything from using large format cameras to exposure, developing and printing large format film. Illustrated with high quality photographs from historical, commercial, journalistic and fine art sources. 8 x 11, 176 pages. Index. Hundreds of photos.

Item # BOUGVC.....39.95



### VIEW CAMERA

New Edition

by Harvey Shaman

This classic workbook for students of view-camera photography has currently been revised and updated to accurately reflect the current technology and redesigned to maintain its reputation as the best handbook on view cameras ever published. 8 x 11, 144 p. 160 black & white photographs. 110 diagrams.

Item # BOVCP.....(paper) 22.50

# B O O K S

## B O O K S O F I N T E R E S T

LIBRARY

491



### VIEW CAMERA TECHNIQUE—

Sixth Edition

by Leslie Stroebel

A reference work that has no equal. . . — Darkroom & Creative Camera Techniques. The best and definitive guide to the view camera techniques recently updated. 328 pages.

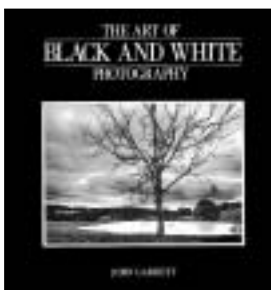
Item # BOVCT.....44.50

1998

### PHOTOGRAPHER'S MARKET

Get your photos into the right buyers' hands! Find out where and how to sell your photographs. Updated with more than 500 new markets! Includes 2000 listings worldwide with names, addresses, submission requirements, pay rates, and more. 6 x 9, 600 pages.

Item # BO1998PM.....(hardcover) 22.95



### THE ART OF B&W PHOTOGRAPHY

by John Garrett

Both a practical sourcebook and an inspiring collection of superb photographs, this book reveals the critical details for creating unforgettable pictures in this popular medium. 10 x 10, 160 pages. Over 120 photos and diagrams. Index. Glossary.

Item # BOABWP.....(paper) 29.95

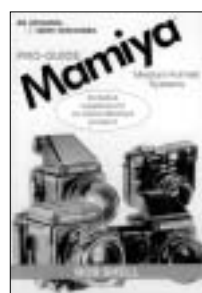
### SECRETS OF LIGHTING ON LOCATION

A Photographer's Guide to Professional Lighting techniques

by Bob Krist

Included are lighting ratios, flash set-up formulas and clues for using incandescent and quartz lights, umbrellas, soft boxes, light panels and fiber optics. 9 x 11, 144 pages. 175 full-color photographs, 30 diagrams.

Item # BOSLL.....(paper) 24.95



### MAMIYA SYSTEM

by Bob Shell

A professional's in-depth guide to the Mamiya system. Includes cameras, lenses, accessories and advice on professional shooting techniques. 220 pages.

Item # HOMS.....29.95



### PANORAMIC PHOTOGRAPHY

Revised & Updated by Joseph Meehan

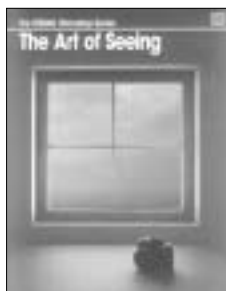
Panoramic shooting techniques are beautifully demonstrated with 100 color and 78 b&w photos. 3 large gatefold photographs emphasize the splendor and creative possibilities of this medium for landscapes, cityscapes, seascapes & group portraits. Covers industrial photography, as well. 11 x 8, 144 pages.

Item # BOPPP.....(paper) 25.95

### KODAK'S ART OF SEEING

This book shows you how to make better photographs by studying the elements of the subject, using lighting and understanding how cameras, lenses and films see differently from you. This book strives to induce creativeness by shattering preconceptions and lack of awareness. Helps you break through creative barriers. 8 x 11, 96 pages. More than 170 illustrations.

Item # KOBAS.....17.95



### THE BUSINESS OF PORTRAIT PHOTOGRAPHY

by Tom McDonald

An experienced studio owner shares the keys to successful operation of a portrait studio. Some of the business topics covered include: managing and planning for profit, marketing, advertising and sales, using computers, picking the right lab. 8 1/2 x 11, 192 pages. 200 full-color photographs, 30 black & white photos.

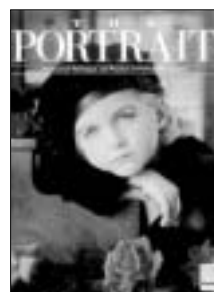
Item # BOBPP.....(cloth) 33.50



### KODAK'S LARGE FORMAT PHOTOGRAPHY—Updated!

New digital imaging section. Comprehensive discussion of large-format photography. Includes information on view cameras, and accessories, image control, film selection, loading and handling, and more. Over 95 illustrations. 8 1/2 x 11, 104 pages.

Item # KOBLEP.....19.95



### KODAK'S THE PORTRAIT

Professional photographers on the art and practice of portrait photography. Experts, including Denis Reggie, Frank Cricchio and Don Blair offer guidance on equipment, lighting, exposure, weddings, specialty portraits and more. Over 150 illustrations. 8 1/2 x 11, 120 pages.

Item # KOBP.....24.95



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# BOOKS

## BOOKS OF INTEREST

LIBRARY

492



### PHOTOGRAPHING CHILDREN

by Liz Walker

Illustrated with before and after pictures demonstrating common problems, this volume helps amateurs using point-and-shoot cameras to take pictures that capture the charm and personality of children of all ages. 5 1/2 x 8 1/2, 96 pages. 140 full-color illustrations.

Item # BOPCQ.....(paper) 9.95

### LOCATION PORTRAITURE

The Story Behind The Art

by William S. McIntosh

This book offers a course in environmental portrait photography. It includes technical information on exposure control, lighting methods, equipment, choosing a setting, posing and the importance of planning in advance for successful on-location portraits. 108 color photographs. 8 1/2 x 11, 224 pages.

Item # BOLPSBA.....(paper) 49.95



### THE LAW (IN PLAIN ENGLISH) FOR PHOTOGRAPHERS

Complete Coverage of Copyright, Contracts, Defamation, Censorship, Agents, Taxes, Estate Planning, Privacy and Releases

by Leonard D. DuBuff

In language accessible to laymen, this handbook explores the legal and business issues of concern to photographers. 6 x 9, 160 pages. Index.

Item # BOLPEP.....(paper) 18.95

### PRO LIGHTING: FOOD SHOTS

Compiled by RotoVision S.A.

The art of lighting images of food is clearly demonstrated in this enticing new book. Large-format photos by leading food photographers from around the world are analyzed through diagrams that show the lighting setups, camera angles and accessory equipment. 8 1/2 x 11 1/2, 160 pages. Approximately 50 color illustrations. 50 black & white diagrams.

Item # BOPLFS.....(paper) 29.95



### PRO-LIGHTING: INTERIOR SHOTS

Compiled by RotoVision S.A.

Roger Hicks & Frances Schultz

Techniques for lighting all kinds of interior settings - from an intimate cafe to a sports arena - are demonstrated in this enlightening volume. Successful interior shots and explanatory diagrams illustrate techniques that work. 8 1/2 x 11 1/2, 160 pages. Over 40 full-color illustrations. 50 diagrams

Item # BOPLIS.....(paper) 29.95



### PRO-LIGHTING: PRODUCT SHOTS

Compiled by RotoVision S.A.

For this book, the subject has been broken down by category: small appliances and electrical goods, soft goods (fabric), food and drink, jewelry, pharmaceuticals, toys, and glass and china. Large photographs by top photographers are presented alongside diagrams showing the lighting setups. 8 1/2 x 11 1/2. 160 pages. Approx. 50 color illustrations. 50 b&w diagrams.

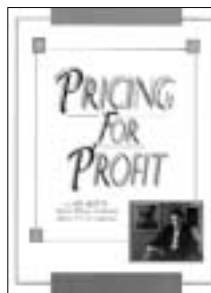
Item # BOPLPS.....(paper) 29.95

### PRO-LIGHTING: SPECIAL EFFECTS

Compiled by RotoVision S.A.

A diverse selection of amazing special effects images by top international photographers is presented in this book, along with drawings and diagrams of the lighting techniques behind them. 8 1/2 x 11 1/2. 160 pages. Over 40 full-color illustrations. 50 diagrams.

Item # BOPLSE.....(paper) 29.95



### PRICING FOR PROFIT

by Joe Butts

Designed for photographers who want to maximize profits! Covers how to find your hidden costs and how to accurately figure pricing. Includes charts, forms and assignments for you to do. Chapters discuss: cost of living, lab costs, cost of doing business and more. This book will pay for itself before you're finished reading it! 8 1/2 x 11, 42 pages. Charts, forms.

Item # BOPPJ.....19.95

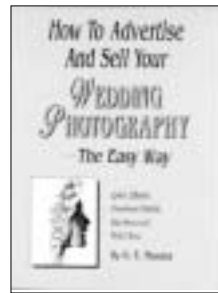
### HOW TO ADVERTISE AND SELL YOUR WEDDING PHOTOGRAPHY

The Easy Way

by G. E. Masana

Everything you need to succeed at selling your wedding photography! Includes tips on what works and what doesn't, sample ads, how to handle telephone calls and meetings, and a sample interview. 8 1/2 x 11, 64 pages.

Item # BOHASYWP.....19.95

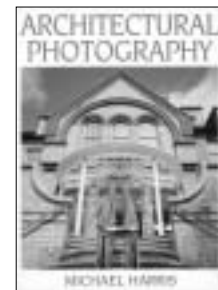


### ARCHITECTURAL PHOTOGRAPHY

by Michael Harris

Teaches the basic principles that underlie all architectural photography and demonstrates their practical applications. Outlines the special equipment and materials needed, along with theory, composition and light. 144 pages.

Item # BOAPX.....(softbound) 39.95





### JOHN SHAW'S BUSINESS OF NATURE PHOTOGRAPHY

by Harold M. Merlinger

Find just about everything you need to know to succeed in the growing commercial photography field: the kinds of pictures that sell, finding clients, marketing strategies, selling rights, writing proposals, running an office. 8 1/4 x 11, 144 pages. 160 color photographs.

Item # BOJSBNP.....\$34.95



### PRO-LIGHTING: PORTRAITS

by RotoVision S.A.

Skillful lighting is essential to capturing the essence of someone's character or portraying the person's lifestyle, status, or physical beauty. Particular props may be highlighted to help tell the person's "story". Or special films, with their own lighting demands, may be selected to add drama to the tale. 8 1/2 x 11 1/2, 160 pages. Over 40 full-color illust. 50 black & white diagrams.

Item # BOPLP .....(paper) \$34.95

### PRO-LIGHTING: STILL LIFE

by RotoVision S.A.

Still-life photographers use well-thought-out lighting for effects. By studying this volume's diverse examples, photographers can choose a lighting setup that creates the impact they want. Techniques for creating dramatic special effects or suggesting classic simplicity are among the many possibilities presented. 8 1/2 x 11 1/2, 160 p. Over 40 full-color illus. and 50 b&w diagrams.

Item # BOPLSL .....(paper) \$34.95



### THE PHOTOGRAPHER'S GUIDE TO USING LIGHT

by Ted Schwarz and Brian Stoppee

The first book to bridge the gap between theory and application details the principles and properties of natural and artificial light, as well as combinations of the two. Step-by-step lessons on lighting effects. 8 1/4 x 11, 144 pages. 120 color photos and 50 lighting diagrams.

Item # BOPGUL.....(paper) \$18.95



### NIGHT SHOTS

Pro-Lighting Series

by Alex Larg, RotoVision S.A.

Moonlit landscapes, midnight city skies, flashes of lightning and fireworks, distant galaxies - detailed solutions and lighting setups show how such difficult scenes can become compelling nocturnal photographs. 40 color and 50 black & white illustrations. 7 1/2 x 10 1/2, 160 pages.

Item # AMPLNS.....(paper) \$34.95



### LIGHTNING SECRETS FOR THE PROFESSIONAL PHOTOGRAPHER

by Brown & Grondin

Explore highlights, shadows, and lighting for effect. Written by pro technicians whose clients include Procter and Gamble, Heinz, Kroger and Kenner Toys. 8 x 11, 144 pages. 300 color illustrations and diagrams.

Item # BOLSPP .....(paper) \$24.95

### PRO-PHOTO: WEDDING PHOTOGRAPHY

Compiled by RotoVision S.A.

From technical details to creative approaches to special effects - all aspects of wedding portfolios are covered in this book. Diagrams illustrate lighting setups, camera angles, props and sets, while outstanding wedding photos show a diversity of styles. 8 1/2 x 11 1/2, 160 pages. Over 40 full-color illustrations. 50 diagrams.

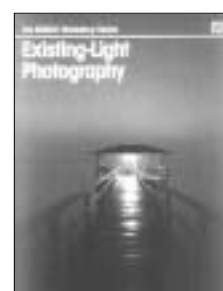
Item # BOPWP .....(paper) \$29.95



### EXISTING-LIGHT PHOTOGRAPHY

Recommendations for taking photos in typical existing light situations, such as sporting events, museums, theaters and night scenes. Covers high-speed films, camera handling, lighting and filters. Tables for exposure and filtration recommendations. 8 1/2 x 11, 96 pages. Over 200 illustrations.

Item # KOBELP.....(softbound) \$17.95



### CLOSE-UP PHOTOGRAPHY

Covers equipment, lighting, focusing theory, and exposure calculations for close-up photography. Includes tips on controlling movement, foreground and background, plus sections on "hands-and-knees" photography and using a close-up camera with hobbies and crafts. 8 1/2 x 11, 96 pages. Over 130 illustrations.

Item # KOBCUP.....(softbound) \$14.95



### KODAK WORKSHOP SERIES: USING FILTERS

by Jim Stone

Gives creative and technical advice on how filters work and how to use them to create exceptional images in color and black & white. Shows how to create mood, add dazzle, render normal colors under artificial lighting and more. 8 1/2 x 11, 96 p. Over 180 illus. color and b&w.

Item # KOBUF.....(Paperback) \$14.95

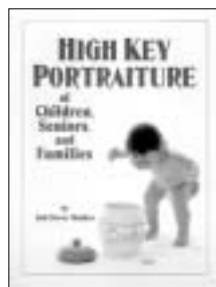


# BOOKS

## BOOKS OF INTEREST

LIBRARY

494



### HIGH KEY PORTRAITURE

of Children, Seniors and Families

A complete photo business plan to raise profits. This book shows you how to create high key portraits in color and b&w. Also includes information on: props, light placement, advertising, taking the order, business promotion and more! 8 1/2 x 11, 83 pages.

Item # BOHKPCSF .....29.95

### STROEBEL'S VIEW CAMERA BASICS

by Leslie Stroebel

Explains the subjects of view camera characteristics, adjustments, lenses, exposure, film, filters and refinements. Attention is given to depth of field, focal length, F-numbers, image contrast and accessories, such as tripods. Emphasizes concepts for beginning view camera users, yet will help any user produce the highest quality photographs. 112 pages.

Item # BOSVCB.....24.95



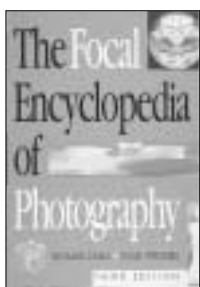
Hove Pro Guide —

### COMPLETE ROLLEI TLR USERS MANUAL

by Ian Parker

Collectors, dealers and other Rollei users will find all the information they need to get full use of their Rollei twin lens reflex camera, regardless of the model. The illustrations include examples of work, as well as photos of many accessories still available. 5 1/2 x 8, 180 pages.

Item # HOCRTLUM.....(paper) 19.95



### FOCAL ENCYCLOPEDIA OF PHOTOGRAPHY

3rd Ed.

Edited by Leslie Stroebel & Richard Zakia

This one-volume encyclopedia offers detailed information on photography techniques, technologies and business. Nearly 5000 entries carefully cross-referenced. 6 1/2 x 9 1/4, 914 pages.

Item # BOFEP.....(softbound) 49.95

### KODAK PROFESSIONAL BLACK-AND-WHITE FILMS

Covers the varieties and uses of Kodak black and white films. Includes a film guide for matching the right film with the situation. Data section describes films with technical information. Includes information on exposure and development.. Over 40 illustrations. 8 1/2 x 11, 88 pages.

Item # KOBPBWF.....19.95



### THE MEDIUM FORMAT ADVANTAGE

by Ernst Wildi

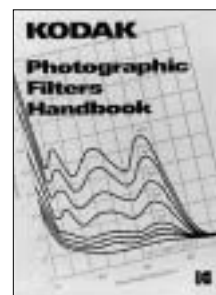
Examines the advantages of medium-format photography and explains medium-format camera operation. Includes SLR, twin lens, panoramic, rangefinder cameras, and lenses and accessories. Over 160 photos and illustrations. 272 pages.

Item # BOMFA.....(paper) 29.95

### KODAK PHOTOGRAPHIC FILTERS BOOK

Contains filter information for professional photographers, photo lab technicians, and the scientist whose use of filters requires extensive wavelength-by-wavelength transmission measurements. Information about types of filters, and their photographic applications, their physical, optical and transmission characteristics. 5 1/2 x 8 1/4, 160p.

Item # KOBPF .....14.95

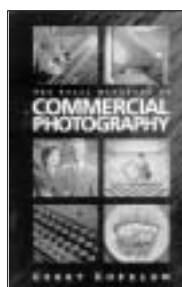


### COKIN FILTER SYSTEM FOR PHOTO AND VIDEO

by Heiner Hennings

Both still and video photographers can benefit from this well-illustrated book, which explains the concept of the Cokin filter system and demonstrates how it is used. Many of the illustrations show the results that can be achieved with this system 5 1/2 x 8, 164 p.

Item # HOCFSPV.....(paper) 19.95



### THE FOCAL HANDBOOK OF COMMERCIAL PHOTOGRAPHY

by Gerry Kopelow

An up-to-date, practical career guide that will help both aspiring and established photographers make appropriate, cost-effective choices regarding business and technical strategy.

Item # BOFHBCP .....(softbound) 29.95

### THE PHOTOGRAPHER'S GUIDE TO USING FILTERS

by Joseph Meehan

Combining technique and creativity, this comprehensive review provides a detailed survey of filters and their applications, including tips on special-effect filters and on filter maintenance. 175 color photos. 25 black-and-white photos. 8 diagrams. Index. 8 1/2 x 11, 144 pages.

Item # BOPGUPP.....19.95





### CREATIVE LARGE FORMAT SERIES - ADVERTISING PHOTOGRAPHY

by Urs Tillmans

This book will bring you up to date in the specialized field of large format ad photography. It covers tools, accessories, applications and digital imaging along with business advice on working with clients and agencies. Beautifully illustrated in color and b&w. 8 1/2 x 11, 95 pages.

Item # BOAPCLF ..... (softbound) 39.95



### CREATIVE LARGE FORMAT SERIES - ARCHITECTURAL PHOTOGRAPHY

by Urs Tillmans

A fascinating range of solutions to challenges for both the amateur and professional large-format photographer. Emphasis on producing quality images. Covers creative and technical approaches to the art of shooting architecture. Color and b&w illust. 8 1/2 x 11, 88 pages.

Item # BOAPCLFQ ..... (softbound) 39.95

### CREATIVE LARGE FORMAT SERIES - BASICS AND APPLICATIONS

by Urs Tillmans

Large-Format photography calls for a high level of technical and creative skill. This volume teaches the fundamentals of working in this challenging and rewarding format. Practical hints and explanations about theory, even for experienced large-format photographer. Color and b&w illustrations. 8 1/2 x 11, 111 pages.

Item # BOBACLF ..... (softbound) 39.95



### CREATIVE LARGE FORMAT SERIES - NATURAL LANDSCAPES

by Urs Tillmans

With exquisite examples, this book explains the specialized field of large-format landscape photography. It covers camera choices, composition, films and marketing possibilities. Includes portfolios of several professional landscape photographers. Color and b&w illustrations. 11 x 8 1/2, 88 pages.

Item # BONLCLF ..... (Softbound) 39.95



### CREATIVE LARGE FORMAT SERIES - PEOPLE PHOTOGRAPHY

by Urs Tillmans

Thoroughly covers all aspects of photographing people, with tips and examples from both professional and amateur large-format photographers - from the points of view of both the photographer and model. Beautiful illustrations and examples of creative portraiture. 8 1/2 x 11, 95 pages.

Item # BOPPCLF ..... (softbound) 39.95



### THE PHOTOGRAPHER'S STUDIO MANUAL Revised Ed.

by Michael Freeman

This new edition presents ideas for designing a home studio, as well as a professional setup, then explores the relationship of technique to final effect, from classic to novel shots. 100 color photos, 175 b&w illustrations. 75 diagrams. Gloss. Index. 7 1/2 x 9 1/2, 256 pages.

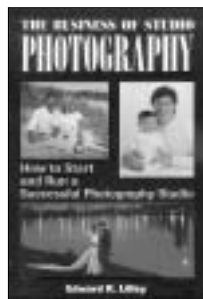
Item # BOPSPMP ..... (softbound) 23.50

### THE BUSINESS OF STUDIO PHOTOGRAPHY

by Edward R. Lilley, Allworth Press

The complete guide to starting and running a successful photography studio. Strategies and practical advice on: location, financing and pricing; equipping the studio; selling to wedding, portrait, commercial and art photography markets; creating a sound business plan; handling paperwork and much more. 6 1/2 x 10, 256 pages.

Item # AMBSP ..... (paper) 19.95

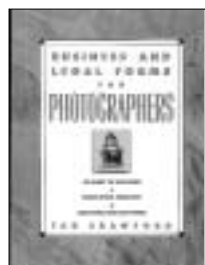
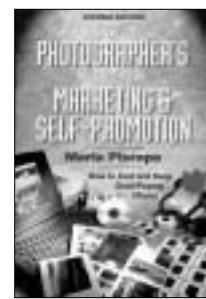


### THE PHOTOGRAPHER'S GUIDE TO MARKETING AND SELF-PROMOTION

by Maria Piscopo, Allworth Press

This practical guide discusses specific and effective ways to build a marketing plan. Emphasis on how to find new clients and establish long-term relationships with them. 40 b&w illustrations. 6 1/2 x 10, 176 pages.

Item # BOPGMSP ..... (paper) 17.95



### BUSINESS AND LEGAL FORMS FOR PHOTOGRAPHERS Revised Ed.

by Tad Crawford, Allworth Press

This essential edition will save many hours spent preparing forms. Includes contracts, estimate memos, invoices, model releases, permission forms, copyright registrations and much more. CD-ROM with electronic versions of each form is provided. 8 x 11, 224 pages.

Item # BOBLFP ..... (paper) 17.95



### CAMERA ASSISTANT'S MANUAL

2nd Edition

by David E. Elkins

For both beginner and advanced camera assistant. Complete descriptions of all aspects of the jobs of first and second assistant cameraman, plus a new chapter on the basics of cinematography. Complete reference source. Line illustrations and diagrams 8 x 5, 322 pages.

Item # BOCAM ..... (softbound) 29.95

# BOOKS

## BOOKS OF INTEREST

LIBRARY

496

Photographic Filters  
*Item # BOPF* .....**19.95**

How To Check  
and Correct Color Proofs  
*Item # BOHCCCP* .....**27.95**

Photographer's Guide to Exposure  
*Item # BOPGE (Paper)* .....**18.95**

Photographic Lenses and Optics  
*Item # BOPLO (Hardbound)* .....**24.95**

Photographer's Handbook - 3rd Edition  
*Item # BOPHB (Paper)* .....**19.95**

Photography: Creative Control  
*Item # BOPCCC (Cloth)* .....**12.95**

ASMP Professional  
Business Practices in Photography  
*Item # BOPBPP* .....**24.95**

Food Photography  
and Styling  
*Item # BOFPSP (Paper)* .....**19.95**

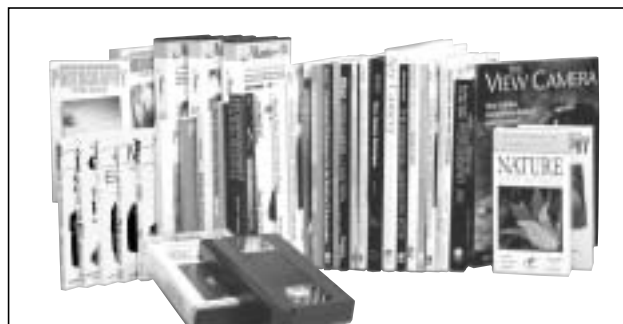
Pasteups and Mechanicals  
*Item # BOPUM (Cloth)* .....**24.95**

Photography for  
Graphic Designers  
*Item # BOPGD (Paper)* .....**19.95**

How To Sell Your  
Photographs and Illustrations  
*Item # BOHSPL* .....**16.95**

How To Shoot Stock Photos That Sell  
*Item # BOHSPTS* .....**18.95**

The Copyright Guide  
*Item # BOCRG* .....**18.95**



Photographer's Organizer  
*Item # BOPO (Paper)* .....**8.95**

Stock Photography Business Forms  
*Item # AMSPBF (Paper)* .....**24.95**

Photographing In The Studio  
*Item # BOPSZ* .....**39.95**

Using The View Camera - Revised Edition  
*Item # BOUVC (Paper)* .....**22.50**

## VHS VIDEOS TAPES

### Creative Professional Video

Make a living at being creative - the essential side of being creative that keeps a photographer in business.

#### How to Find and Keep New Clients

Strategies for identifying and approaching potential clients, getting appointments, following up and building referrals. (45 minutes.)

*Item # GBVTHFKNC* .....**29.95**

### Advanced Photography

#### Which Filter Should I Use?

Filters can soften harsh shadows, make people look younger, create exotic images from mundane subjects. Tiffen provides the answers. (30 min.)

*Item # TIVTWFSIU* .....**23.95**

#### Wonderful Still Life and Food Photography

How to select, prepare, light, compose and shoot food and beverages. 1 hour.

*Item # GBVTWSLFP* .....**49.95**

#### Problem Portraits

How to use clothing, posing and lighting to produce beautiful portraits of clients with less than perfect faces or figures.

*Item # GBVTPP* .....**39.95**

#### Windowlight Photography

Create photos by window light, using only a camera and reflector. Full lighting, posing techniques for bride and groom, teenagers, children and babies.

*Item # GBVTWLP* .....**39.95**

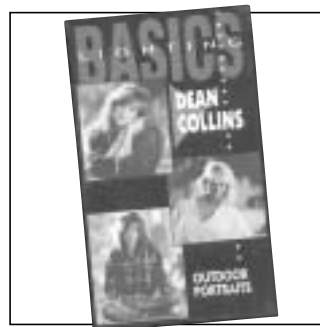
#### How To Paint Creative Portrait Backdrops

Whether you favor modern or traditional designs; for high and low key photography; in the studio or on location - the easy instructions in this video will ensure professional results, even if you are one of those who have never before held a paint brush in your hands.

*Item # GBVTHPCPD* .....**39.95**

### Dean Collins Finelight Video

One of the most prominent figures in the world of photographic lighting theory now offers the definitive educational tool to learn his theories and techniques.



#### Lighting Basics: Studio Portraits

Collins creates four stunning portraits, using only one flash as his primary light source. The making of high-key, casual portraits are explained. Lighting for eye glasses sheds new light on a difficult problem. (Approx. 30 Min.)

*Item # DEVTLBSP* .....**29.95**

#### Lighting Basics: Outdoor Portraits

In this program, Dean Collins explains the keys to creating outdoor portraits that sell. You'll see behind the scenes as Collins uses flash, diffusion scrims, reflectors and mirrors to create simple and beautiful outdoor portraits. Basic and advanced photographic theories are explained in detail. (30 Minutes.)

*Item # DEVTLBOP* .....**29.95**

#### 3-D Contrast

Dean Collins explains his theory of 3-D contrast. This videotape reveals the keys to the control of photographic lighting. (Approximately 60 minutes.)

*Item # DEVT3DC* .....**29.95**



# VIDEO TAPES

## VHS VIDEO TAPES

### Monte Video Productions

No photographer today has done more to wedding photography than Monte Zucker. In this series Monte shares it all.

#### Posing and Lighting The Bride Vol. 1

Minimum 60 Minutes.

**Item # MOVPLB .....49.95**

#### Posing and Lighting The Bride and Groom Vol. 2

Minimum 60 Minutes.

**Item # MOVPLBG.....49.95**

#### Posing and Lighting The Bride and Groom with Families Vol. 3

Minimum 60 Minutes.

**Item # MOVPLBGF .....49.95**

#### Posing and Lighting Outdoors with Sunlight and Strobe Vol. 4

Minimum 60 Minutes.

**Item # MOVTPLODSL..49.95**



**New Concepts In Flash Photography**  
Learn to produce beautiful photographs, both indoors and outdoors, using electronic flash. Monte shows you how to raise your level of proficiency. Minimum 60 Minutes.

**Item # MOVTNCFP .....69.95**

#### Volumes 5, 6, 7 (Set of 3)

Don Blair, Clay Blackmore and Monte Zucker - are among the most significant innovators in the history of photographic educators. Don and Monte combine elegantly-posed subjects with impeccable classic form. Clay adds "Hollywood" lighting and freedom of expression. (Minimum 90 Minutes)

**Item # MOVTS .....125.00**

### Kodak BMP Portraits of Success

#### Marketing Opportunities

Understand advertising and promotional skills successful studios use to compete. You'll hear from Gary Jentoft, Roy Meyer, Patsy Hodge and Ed Percy. (Approx. 60 Minutes)

**Item # KOVTMO.....39.95**

#### Making The Sales

Ted Sirlin, Tom McCarthy, and Wayne Hill discuss taking the consumer from initial inquiry to the finished portrait. (Approx. 60 Minutes)

**Item # KOVTMS.....39.95**

#### Sharpening Your Business Skills

Features Larry Peters, Mark Lattin and John Perrin. Learn to apply their techniques to your market. (Approx. 60 Minutes)

**Item # KOVTSYBS .....39.95**

#### Selling Portraits to The Heart

See D. Forbes Ley's solutions for increasing sales, Paul Skipworth's sales techniques, Lisa Valles Evans' approach to wall portraits and Anthony Bruno's studio designs. (Approx. 60 Minutes)

**Item # KOVTSPH.....39.95**

#### Image Is Everything

Discover Joe Craig's approach to portrait photography. Meet the challenges Sam Gray faces in the "North Carolina Triangle". Tour Paul Thompson's studio. Marion Vance tells how she built a successful business around children. (Approx. 60 Minutes)

**Item # KOVTIE.....39.95**

#### The Entrepreneur - One Step Ahead

Four successful portrait photographers talk about entrepreneurship. (Approx. 60 Minutes)

**Item # KOVTEOSA .....39.95**

#### Portraits of Success

Features 5 professional portrait studios and a special segment on electronic retouching with Jane Ziser. (Approx. 60 Minutes)

**Item # KOVTPS7.....39.95**

### Kodak Visions In View

#### Small Tabletop and Big Sets

Glen Silker provides tips on shooting small tabletops and big sets. Norman Sanders gives insight into the graphic reproduction process and how to prepare work for the printed page. Get behind the scenes at Hughes Aircraft where the respected in-house photography group does its public relations and creative photography. (Approx. 60 Minutes)

**Item # KOVTVV2.....39.95**

#### New Photo Technologies

Steve Grohe creates special effects using conventional techniques. Jon Bruton and Don Carli speaks about electronic image manipulation. (Approx. 60 Minutes)

**Item # KOVTVV6.....39.95**

#### Location Shots, Stock Photo

Focuses on the unique challenges of location photography. Follow Bill Smith around the island of Jamaica and Peter Alangone in Ft. Lauderdale, Florida. (Approx. 60 Minutes)

**Item # KOVTVV7.....39.95**

### Joe Craig Videotapes

Joe Craig is widely admired for his professional passion and artistic vision. Joe has a signature portrait practice as well as a consulting firm that caters to the portrait professional. He is renowned for his portraits that speak elegantly about personal character and the resiliency of the human spirit.

#### Joe Craig Studio Lighting

Shows you how to add depth and dimension to your studio portraits with innovative backgrounds and props. Study precision lighting theories from simple to sophisticated, and master the science of lighting ratios and proper film exposure. This tape lets you experience the Joe Craig trademark style of classic contemporary posing. 42 minutes.

**Item # BOVTJCSL .....29.95**

#### Joe Craig Studio Tour — Posing/Lighting/Set Design

An unforgettable tour of the camera room praised throughout the industry as a miracle of form and function. Study the fundamentals of backgrounds, props and studio set design. Learn the art of lighting classic or contemporary portraits with both studio flash systems and natural light.

**Item # BOVTJCST .....29.95**

### Will Crocket Video Series

#### Commercial People Shots on Location

Covers lights, background lighting, change light source colors, meter for exposure. (30 Min.)

**Item # BOVTCPSL .....29.95**

#### Color Correction on Assignment

Covers using a color meter, color correction with filters and gels. (30 Min.)

**Item # BOVTCCA.....29.95**





# The Professional Photo SourceBook

## Section 12

### Projectors

Hasselblad 6x6 .....	500-501
Rollei 6x6/35mm .....	502-504
Noblux 4x5 .....	504
Mamiya 6x7 .....	505



# HASSELBLAD

PCP 80

PROJECTORS

500

*The lights dim, an expectant hush falls. The projector springs to life and an image of dazzling quality appears on the screen before a suddenly attentive audience.*

*When the PCP80 is the projector, you can be assured of a quality presentation that lives up to the Hasselblad name. It is the only projector equipped with the same top-quality Zeiss optics used on Hasselblad cameras. And with projected images this sharp, all the nuances of the original slide will reach the screen — whether the presentation uses one projector or a battery of projectors run by a professional AV producer switching between panorama displays and animated sequences.*



## FEATURES

- **Perspective control:**  
*When a projector is pointed up or down towards a screen, the image may appear distorted. The PCP80's lens moves up and down, like that of a view camera, resulting in a square screen image from a square slide even when the camera is projecting at an angle.*
- **Unparalleled reliability:**  
*The PCP80 has separate, quiet motors for slide change, fan operation and focusing. The cooling system uses pressurized, filtered air to prevent any dust buildup from affecting performance of the mechanism or optic system. Two fuse circuits protect the electronics from power surges and monitors temperature with automatic heat damage turn-off, respectively.*
- **Lens and condenser:**  
*Lenses have their own matched condenser lens, which is replaced whenever a lens is replaced; no light-absorbing heat absorption filter is necessary.*
- **Rotary slide magazine:**  
*The slide tray holds 80 transparencies and can be detached without re-setting.*
- **Automatic lamp replacement:**  
*When a projector bulb fails, a reserve bulb immediately clicks into place and a warning light on the control panel indicates the replacement, unnoticed by the audience, has been made. This can save the day when a bulb fails during an important presentation.*
- **Control systems:**  
*3 connector inputs for external control systems are available; a standard 6-pin socket, an 8 and 12-pin socket offer lamp control with or without the built-in TRIAC. Connectors for most other professional control systems are available as accessories.*

## PCP80 Components

Hasselblad PCP80 Projector Body (70101)

With power cord, front protective cover and projector lamp. (Lens and rotary slide magazine must be purchased separately). Can be switched to 110/130 220/240 V 50-60 Hz.

Item # HAPCP80 .....2,725.00

**Overnight Shipping Available**

# H A S S E L B L A D

PCP80

PROJECTORS

501

## PCP80 Components, *continued*

**Zeiss P-Planar 3.5/150mm Projector Lens** (70205)  
Standard lens, supplied with matching condenser lens and front lens cap 75/150 (70526).  
**Item # HA15035P .....497.00**

**Zeiss P-Sonnar 4/250mm Projector Lens** (70210)  
For long projection distances. Supplied with matching condenser lens and front lens cap 93-100 (51654).  
**Item # HA2504P .....1,256.00**

**Rotary Slide Magazine** (70303)  
Holds 80 transparencies in 2 1/4 x 2 3/4" (7x7cm) mounts.  
**Item # HATP .....84.95**

**Zeiss P-Planar 3.5/75mm Projector Lens** (70214)  
For short projection distances, especially back projection. Supplied with matching condenser lens and front lens cap 75/150 (70526).  
**Item # HA7535P .....1,065.00**

## PCP80 Accessories

**Remote Cable Control Unit** (70507)  
For manual slide change and focusing. Cable length: 13 ft. (4m).  
**Item # HARCP .....57.95**

**Projector Rack, Basic Unit** (70517)  
For twin projector setups. Weight: 21 lbs. (9.5kg).  
**Item # HARP .....539.95**

**Supplementary Unit for Projector Rack** (70518)  
Add-on unit to permit stacking. 13 lbs. (5.9kg).  
**Item # HASURP .....351.95**

**2 1/4 x 2 1/4" (6x6cm) Registration Slide Mounts** (70511)  
Slide mounts with special guide pins to simplify perfect image positioning in Rostrum cameras or in Hasselblad standard multi-vision programs. Box of 40 mounts.  
**Item # HASM66P .....57.95**

**2 1/4 x 1 1/8" (6x4.5cm) Registration Slide Mounts** (70512)  
Mounts as 70511 above, but with rectangular image format. Box of 40.  
**Item # HASM645P .....57.95**

**Alignment Slide** (70520)  
For precise adjustment of projectors in a multi-projector set-up.  
**Item # HAASP .....34.95**

**PCP80 Projector Case** (70535)  
Sturdy plywood frame with aluminum and steel reinforcements. Foam plastic interior. Holds PCP80 projector body. Dimensions: 20 x 17 x 11" (510 x 430 x 285mm) W.D.H. Weight: 18 lbs. (8kg).  
**Item # HACP .....299.95**

**Front Lens Cap 75/150** (70526)  
Protects front lens element of the 75mm P-Distagon and 150mm P-Planar lenses. Replacement.  
**Item # HALC75P .....7.95**

**Front Lens Cap 250** (51654)  
Protects front lens element of the 260mm P-Sonnar lens. Replacement.  
**Item # HALC250P .....19.95**

**PCP80 Front Protective Cover** (70532)  
Protects projector when no lens is attached. Replacement.  
**Item # HALCP .....7.95**

**PCP80 Dust Cover** (70547)  
Soft dust cover protects projector when not in use.  
**Item # HADCP .....44.95**

**Power Cord** (70539)  
American plug. Supplied with projector body. Length: 8ft. (2.5m). Replacement.  
**Item # HAPCP .....18.95**

**Air Filter** (70541)  
Supplied with projector body. Replacement.  
**Item # HAFAP .....19.95**

**Wiko EHJ Projector Lamp**  
**Item # HALEHJ .....8.50**

**7-Pin AV Connector/Adapter AA** (70525)  
**Item # HACAP .....149.95**

## PCP80 SPECIFICATIONS

### TYPE OF PROJECTOR:

Slide projector for 2 1/4 x 2 1/4" (6x6cm) format. Rotary tray, 80-slide capacity. Remote controllable

### SLIDE MOUNTS:

External dimensions 2 1/4 x 2 3/4" (7 x 7cm)

*Subject to change without notice*

### ILLUMINATION SYSTEM:

Two 24v/250ws halogen lamps (base 6), automatic lamp replacement. Slide temperature approximately 70° c

### COOLING SYSTEM:

Hyperbaric, with filtered air

### MAGAZINE:

Rotary; capacity: 80 slides

### DIMENSIONS:

14.3 x 17 x 8" (362 x 432 x 204mm) WDH

### WEIGHT:

31 lbs. (14kg)



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

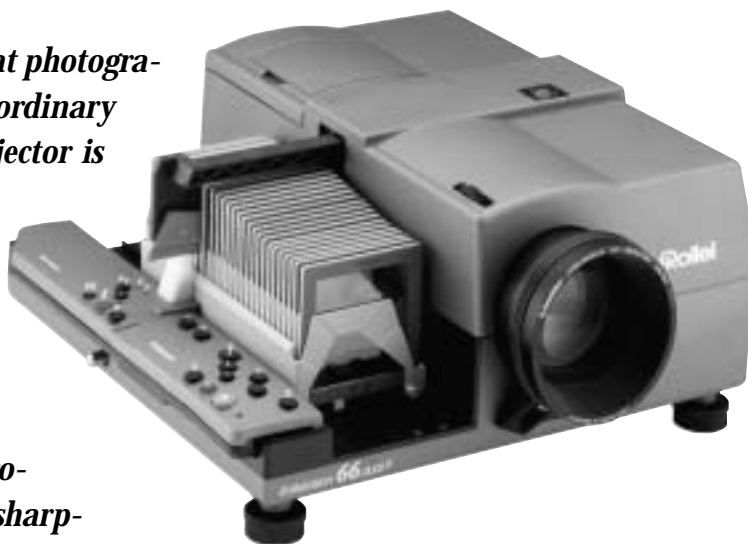
1 • 8 0 0 • 9 4 7 • 6 6 5 0

*One of the main strengths of medium format photography is the ability to capture detail with extraordinary sharpness. Rolleivision Medium Format projector is built not just to showcase medium format's sharpness, but to incorporate it into both serious amateur and professional multi-media presentations.*

*The Rolleivision 66 Dual P brings all the advantages of medium format to the screen by providing a clear and true color reproduction, even illumination and edge-to-edge sharpness.*

*Educational institutions, businesses and home and semi-professional users often have to deal with a variety of picture and slide formats. In response, Rollei has come up with a multi-format projector that accepts 7 x 7 and 5 x 5cm slide mounts.*

*This means that it can handle 6 x 6, 6 x 4.5, 4 x 4cm and 24 x 36mm slides – the most commonly used*



### Rolleivision 66 Dual P

The Rolleivision 66 Dual P combines years of experience in the development and construction of top-quality projectors, offering a new standard in 6 x 6 slide projection.

Rolleivision 66 Dual P (010-785)

With lamp, 30 slide tray, lamp extractor and AC cord. (Lens must be purchased separately.)  
Item # RO66DP .....1399.95

### 66 DUAL P SPECIFICATIONS

#### TYPE OF PROJECTOR:

Compact autofocus projector to use with two slide sizes and two magazine sizes with override function and manual adjustments.

#### LIGHTING SYSTEM:

Two 24v/250w halogen lamps, automatic switchover to standby lamp, continuously adjustable dimmer, concave mirror, heat filter, rear aspherical condenser element, front spherical condenser element, interchangeable condenser elements for lenses with focal lengths of 250mm

*Subject to change without notice*

#### SLIDE CHANGE:

Remote or automatic forward/reverse, auto program by timer or tape control with signal device. Sliding shutter keeps out unwanted light during slide changes.

#### CONTROL SOCKETS:

8-pin socket for cable remote control, external units (via adapter cable) and magnetic tape control via synchronizer. 14-pin AV socket, additional V-24 PC interface for control of all projector functions and connection or integration into current and future multimedia environments

#### POWER SUPPLY:

Connection for AC supply 110v with automatic voltage stabilization

#### COOLING SYSTEM:

Enclosed radial fan, cooling also with lamp switched off, ventilation outlet at rear

#### MAGAZINES:

Type Rollei 77/30 for 2 1/4 slides or type CM/55/50 for 35mm slides.

#### DIMENSIONS:

12 x 11.5 x 6" (30 x 29 x 15cm)

#### WEIGHT:

17 lbs. (7.7kg)

### FEATURES

- **The first medium-format slide projector with direct drive technology.** Slide claw, magazine transport and focusing are all controlled via the projector's microprocessor and operate completely independently of each other. With its contact-free sensors and robust drive cabling, the system is designed for absolute reliability, vibrationless operation and a long service life
- **Slide formats 6x6, 4.5x6, 4x4cm and 24x36mm projected from two different magazines**
- **Convenient slide pre-sorting via a brightly lit viewing window in the top of the projector casing**
- **Variable fade technology provides fade-ins and fade-outs at any place in the magazine with durations of 0.1, 3 and 6 seconds.** This also allows effective switches between CUT and SOFT
- **All functions can be conveniently controlled via the detachable IR remote control unit.**
- **If a lamp fails, the standby lamp takes over immediately**
- **The memo button on the remote control lets you mark up to 16 slides to be shown again at the end of your presentation**
- **The timer lets you pre-select from three screen times (4, 8 and 12 seconds) for an automatic projection run**
- **The preprogrammable autoreverse function (for slide range 1-60) provides automatic magazine reverse transport and continuous projection**
- **The projector has sockets for audio slide presentations and dissolve projection. Its V-24 PC interface allows integration in a multimedia environment**
- **An integral autofocus system with an override function delivers optimum on-screen sharpness in seconds**
- **Interval lighting comes on automatically when the projector is in standby mode before the presentation and after the magazine run**
- **The projector recognizes empty magazine compartments, and a sliding shutter excludes unwanted light**

### Lenses

AV-Xenotar 90mm f/3.5 (083528)  
For projection in normal sized rooms.  
**Item # RO9035P66 .....829.95**

S-Heidosmat  
150mm f/3.5 (083657)  
Standard lens. For projection in normal sized rooms.  
**Item # RO15035P66 .....149.95**

AV-Xenotar 150mm f/2.8 (083512)  
Standard lens. For projection in normal sized rooms.  
**Item # RO15028P66 .....499.95**

Heidosmat 180mm f/3.5 (079468)  
For projection in normal sized rooms.  
**Item # RO18035P66 .....419.95**

AV-Xenotar 250mm f/4 (083653)  
For projection in large rooms.  
**Item # RO2504P66 .....999.95**

AV-Xenotar 400mm f/4 (083655)  
For projection in extra large rooms.  
**Item # RO4004P66 .....1,499.95**

Vario-Heidosmat  
110-160mm f/3.5 (079464)  
Zoom lens. For projection in normal sized rooms.  
**Item # RO11016035P6 ..499.95**

**The following lenses are recommended for 35mm:**  
60mm f/2.8, 85mm f/2.8,  
90mm f/2.4, 150mm f/2.8,  
250mm f/4.3 and 70-120mm f/3.5.

### Slide Trays

CM 77/30 Magazines (084059)  
For 120 slides. Stored in easy-to-stack plastic boxes that hold two magazines.  
**Item # ROST66Q .....34.95**

CM 55/50 Magazines (434302)  
For 35mm slides.  
**Item # ROST35 .....15.95**

Storage Chest for  
2 1/4 (6cm) Slide Trays (084058)  
**Item # ROCST66.....13.95**

Slide Tray  
Extension Platform (026750)  
Lets you add more trays for uninterrupted presentations.  
**Item # ROEP66DP.....109.95**

### Remote Controls

Remote Control  
for RC66 with Timer (084965)  
**Item # RORC66.....77.50**

Infrared Remote Control (083524)  
Wireless 4-channel remote unit.  
**Item # RORCIR66 .....229.95**

33' (10m) Extension for  
Wired Remote Control (079529)  
**Item # ROECRC66.....69.95**

### Miscellaneous Accessories

Rigid Carrying Case (083995)  
**Item # ROC66 .....169.95**

Stacking Kit for  
2 66 Projectors (084062)  
**Item # ROSK66 .....48.50**

# ROLLEI/NOBLUX

## ROLEIVISION 66 DUAL P

### Accessories

#### Digital Dissolve Control Unit MD230 (064862)

Leisure and pro users now have all the possibilities of sophisticated slide projection using modern dissolve technology offered by this digital control. The MD230 offers dissolve durations from hard cut to 99 seconds; reversible, accelerated, slowed down and frozen dissolves; independent fade-ins and fade-outs on either projector; forward and reverse slide change; flashing effect at four speeds and three different intervals; variable lamp brightness from 0 to 100%; and written documentation of the program memory content via RS 232 serial interface.

The unit also offers a 40-channel infrared remote to control all projection and remote functions in the direct mode from a distance of about 33ft. (10m). The MD230's memory has a capacity of up to 4 shows with as many as 600 commands each. Data can be deleted, modified or added to as needed. The MD230's tape control encodes all input commands and sync information as digital interference-proof signals—resulting in reliable picture/audio playback and ease of operation. The dimensions are 8.5 x 11 x 2" (22 x 28 x 5cm) It weighs 1.5 lbs. (0.7kg).

Item # ROMD230.....1149.95

#### Standard Cable for MD-230 (098943)

Item #  
ROCMD230.....37.95

#### MD-230 Tape Recorder Cord for ITT (098944)

Item #  
ROCITMD230.....37.95

#### MD-230 Tape Recorder Cord for Phillips (098967)

Item #  
ROCPMD230.....37.95

#### MD-230 Tape Recorder Cord for Uher (098968)

Item #  
ROCUMD230.....37.95

#### AC Cord for Rollei Projectors (083364)

Item #  
ROACC.....26.95

#### 24v/250w Halogen Lamp for 66 Projectors (085034)

Item #  
ROL66Q.....19.95

#### Lamp Extractor for 66 Projectors (085060)

Item # ROLE66.....11.95

#### 35mm Condenser (038530)

Allows the use of 35mm slides with the Rolleivision 66 Dual P.

Item # ROC35.....99.95

## NOBLUX 4 x 5

*Especially designed for the presentation of professional 4x5 and panorama 6x12cm slides, the Noblux projector has a bright and sharp projected image with its interchangeable Visolpan 280mm f/4 lens. A noise-reduced air cooler and heat-absorption filter protect your slides from overheating. These features allow the panorama and large format photographer to make the right presentation in the studio or at the client.*



#### Noblux 4x5 Projector (4001)

110/220v with 280mm f/4 lens.

Item # NOP45.....2997.50

#### Noblar 360mm f/6.7 (4005)

With interlaying adapter.

Item # NO36067.....S.O.

#### Noblar 420mm f/4 (4006)

With interlaying adapter.

Item # NO4204 .....593.95

#### Projector Case (8050)

Item # NOCP .....449.95

### 4x5 SPECIFICATIONS

#### TYPE OF PROJECTOR:

Slide projector for 4 x 5" (9 x 12cm) and 6 x 12cm.

#### SLIDE MOUNT:

Removeable slide holding plate for single projection

#### ILLUMINATION SYSTEM:

115v/500 watt or  
230v/500 watt

#### POWER SUPPLY:

110-240v AC 50/60 Hz

#### COOLING SYSTEM:

Enclosed fan and vent

#### CONDENSER SYSTEM:

3 lens with aspheric lens and heat absorption filter

#### DIMENSIONS:

25.6 x 11.4 x 7.9" (65 x 29 x 20cm)

#### WEIGHT:

26.5 lbs. (12kg) with lens

*Subject to change without notice*

**All items are complete with all accessories as supplied by the manufacturer**

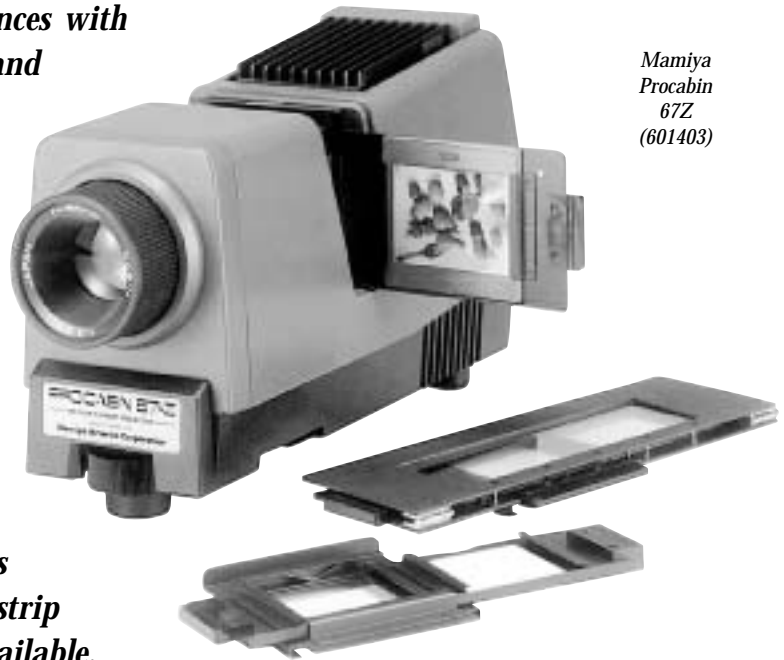


# MAMIYA

## PROCABIN

*6x7 format photographers can dazzle audiences with projected images that show the life-like clarity and stunning detail of the larger medium format, thanks to the Mamiya Procabin 67Z Medium Format Projector. Designed for the professional who wants to dazzle editors and art directors, the 67Z will also be welcomed by lecturers who want to impress their audiences.*

*The projector is compact, light and easily portable. It accepts 85x85mm glass-mounted 6x6 or 6x7cm transparencies in its drop-in slide holder. Conventional push-pull slide carriers for 6x7, 6x6, 6x4.5cm and 35mm slides are available as optional accessories. A filmstrip carrier for unmounted transparencies is also available.*



Mamiya  
Procabin  
67Z  
(601403)

PROJECTORS

505

### Procabin 67Z Projectors

Procabin 67Z (601403) Item # CA67Z .....	1,131.95
Procabin 67Z w/200mm (601402) Same as above, but equipped with 200mm f/4.5 Cabin Projector lens. Item # CA67Z20045 .....	1,399.00
Procabin 67Z w/150mm (601401) Same as above, but equipped with 150mm f/3.5 Cabin Projector lens. Item # CA67Z15035 .....	1,279.00

### Procabin 67Z Accessories

Twin Slide Carrier for 6x7cm (601421) Item # CATSC67. ....	89.95	120 Film Strip Carrier (601427) Item # CAFSC120. ....	168.50
Twin Slide Carrier for 6x6 and 6x4.5cm (601423) Item # CATSC66. ....	89.95	300ws Lamp (601440) Item # CAL67Z. ....	27.95
Twin Slide Carrier for 35mm (601425) Item # CATSC35.....	89.95		

### Procabin 67Z Lenses

150mm f/3.5 Cabin Projector Lens (601415) Item # CA15035 .....	209.95	200mm f/4.5 Cabin Projector Lens (601416) Item # CA20045 .....	349.50
---	--------	---	--------

## 67Z SPECIFICATIONS

#### TYPE OF PROJECTOR:

Slide projector with manual feed

#### SLIDE MOUNTS:

Unmounted transparencies up to  
6x7cm and transparencies mounted  
in 85x85mm glass mounts

*Subject to change without notice*

#### LIGHTING SYSTEM:

110-240v 300ws type lamp

#### POWER SUPPLY:

110-240v AC, 50/60 Hz

#### COOLING SYSTEM:

Internal fan and vent

#### MAGAZINE:

Optional push-pull slide  
carriers available

#### DIMENSIONS:

17 x 9 x 6" (43 x 23 x 15cm) W.D.H.

#### WEIGHT:

9.5 lbs. (4.3kg)



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



# The Professional Photo SourceBook

## Section 13

### Copy Equipment

Introduction .....	508
Bencher .....	508-516
Raynox .....	516
Beseler .....	517-519
Bogen .....	520-522
Polaroid .....	523-526
Testrite .....	526-528
Wess .....	529-532

# INTRODUCTION

## COPY EQUIPMENT

Copystands are used by professional photographers, photo labs, schools and multimedia production facilities. They are essential tools when creating presentations for educational and commercial uses. Copystands come in two varieties: standard and backlit. Standard models generally include a baseboard onto which you place originals and a set of lights to illuminate the originals. Originals are lit at a 45° angle and photographed directly from above. A well-made copystand should offer full, even lighting across the entire surface of the baseboard. It should also be sturdy, offering vibration-free operation.

A backlit copystand includes a translucent surface that is lit from below, instead of a baseboard. It is designed for copy work that involves transparent material. Within this category are slide copiers, which are ideal for duplication work. Some of these stands are very specialized and can be used to create dynamic special effects.

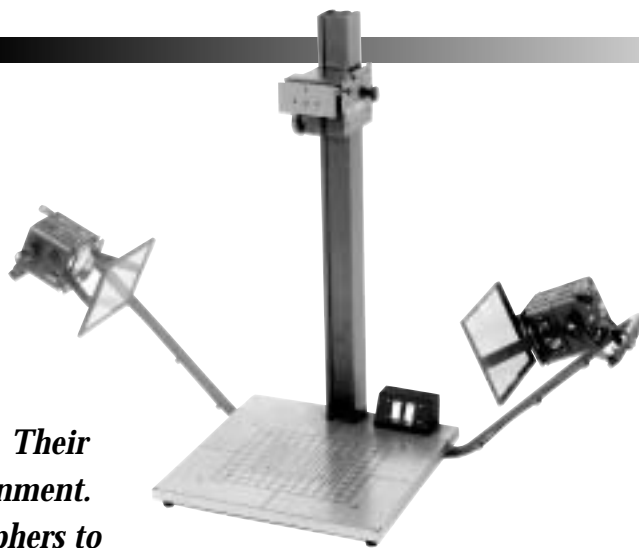
In all cases, when using a copystand, be sure to balance the film you are using with the light source used for illumination. Many manufacturers offer a choice of light sources to meet your particular needs.

### BENCHER

*Practical, affordable Bencher copystands are flexible enough to handle a variety of copying situations. Each copystand is solidly built and can take years of rigorous use.*

*Bencher offers copystands that can handle high-resolution video cameras weighing up to 40 lbs. (18kg). Their flexibility is a welcome addition to the classroom environment. Bencher copystands can also be configured by photographers to handle their preferred format or formats. Others will greatly appreciate Bencher's ease and versatility.*

*Bencher's three designs, the Copymate II, the VP-400 and VP-310, are modular in design and are available in several styles to give you a personal, customized function. Beyond aesthetics, the modular design lets you configure to best suit your shooting needs. And they can be further enhanced by the Bencher accessories. There are several copystand styles to choose from. The Column and Carriage-Only Copystand: allows you to choose baseboard, copy lights and other options; Wall Mount Column and Carriage Only: ideal for applications with limited space; Tabletop Copystand: includes column, carriage and baseboard for countertop use and accepts all Bencher accessories; Producer Copystand: a ready-to-use package that includes solid baseboard, column, carriage, sidelight arms, copy lights balanced for 3200° Kelvin and high/low light control; Illuma Copystand: all the advantages of the Producer, plus a Quartz Halogen base illuminator for copying transparent originals. The base illuminator features forced-air cooling and even 3200° Kelvin lighting – precisely balanced to the copy lights.*



# BENCHER

## COPY STANDS

### Copymate II Copystands

The Copymate II series is a versatile system for anyone whose primary camera is 35mm or lightweight video weighing up to 3.5 lbs. (1.6kg). A 9-lb (4kg) capacity option is available. The stand features a rigid 36" (91cm) fluted column, finished in black for flare-free results, and a 19 x 20" (48 x 51cm) gray laminate baseboard with grid for positioning. Two light arms, mounted at the rear of the baseboard, hold down oversized originals. Centering the camera over originals is easy thanks to a 3.5" (9cm) machined steel shaft. A dual brake locking system, unique to Bencher, eliminates lateral carriage shift. Accessories for the Copymate II include 300-watt quartz halogen lights (3200K) for critical color applications and incandescent (3400K) bulbs for black and white work. A high/low Light Control reduces heat and energy expense.

#### Copymate II Column and Carriage Only (900-00)

Column and Carriage come with mounting bolts and washer plate. Add baseboard, copy lights and other options.

Item # BECM2CC.....189.95

#### Copymate II Tabletop (900-20)

The Copymate II Tabletop is designed to sit on a bench or tabletop. This copy stand lets the user build a customized system.

Item # BECM2TT.....259.95

#### Copymate II Tabletop with Copy Lights and Sidelight Arms (900-30)

Provides the basics for in-house and on-location use. The system comes complete, with column, camera carriage, baseboard, sidelight arms and two 30-watt quartz halogen copy lights. Sidelight arms are mounted at the rear of the baseboard so oversized originals can be positioned with no interference.

Item # BECM2Q.....419.95

### COPYMATE II SPECIFICATIONS

Model	Description	Column Height	Baseboard	Overall Dimensions	Weight
900-00	Column & Carriage	36" (91cm)	16 x 20 (41 x 51cm) W.D.	6 x 9 x 36" (15 x 23 x 91cm) W.D.H.	18 lbs. (8.2kg)
900-20	Tabletop	36" (91cm)	16 x 20 (41 x 51cm) W.D.	20 x 20 x 38" (51 x 51 x 97cm) W.D.H.	29 lbs. (13.2kg)
900-30	Quartz Halogen	36" (91cm)	16 x 20 (41 x 51cm) W.D.	54 x 30 x 38" (137 x 76 x 97cm) W.D.H.	36 lbs. (16.3kg)
900-50	Producer Quartz	36" (91cm)	16 x 20 (41 x 51cm) W.D.	54 x 20 x 38" (137 x 76 x 97cm) W.D.H.	38 lbs. (17.2kg)

Subject to change without notice

### Copymate II Accessories

#### Copymate II Producer (900-50)

Plug this copy stand in, attach your camera and you're ready to go...no set-up required.

Item # BECM2PQ.....474.95

#### Copymate II

##### Counterbalance (331-60)

This is a factory-installed option for any Copymate II model. It is a spring that allows the Copymate II carriage to hold cameras up to 8 lbs. (3.6kg).

Item # BECBSCM2.....6.95

See additional accessories in chart on the right.

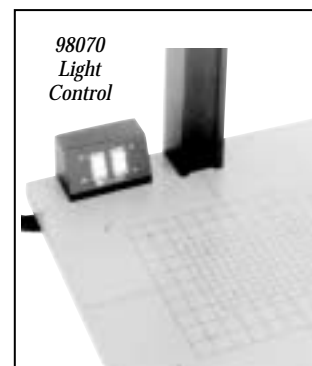
### ACCESSORIES

Model	Description	Item #	Price
08080	Copyright Safety Glass Kit (Set of 2)	BESGS2	54.95
08083	Copyright Battle (Set of 2)	BECLBS2	49.95
08087	Copyright Polarizing Filters (Set of 2)	BEPMS	56.50
98010	Qtz. Halogen Copyright w/Arm (Set of 2)	BECLOSCM2	278.95
13610	Precision Camera Leveling Plate	BELPCM2	54.95
06020	Camera Quick Release	BEQRQ	36.95
33160	4-8 lb. (1.8-3.6kg) Counterbalance Spring	BECBSCM2	6.95
98000	Sidelight Arms	BESLASC2	73.95
98070	Light Control	BECLCCM2	98.95
33728	Book Holddown	BEBHDCM2	206.95
33750	CM2 Column Scale	BECSCM2	17.95
06049	49mm Reflection Shield	BECSR49	26.95
06052	52mm Reflection Shield	BECSR52	26.95
06055	55mm Reflection Shield	BECSR55	26.95
06058	58mm Reflection Shield	BECSR58	26.95
06062	62mm Reflection Shield	BECSR62	29.95
06090	Hasselblad Reflection Shield	BECSRSH	59.95

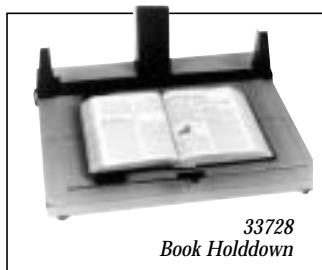
Subject to change without notice



98010  
Quartz  
Halogen  
Copyright  
Copylight  
with Arms



98070  
Light  
Control



33728  
Book Holddown

# BENCHER

## COPY STANDS

### VP400 Copystands



VP400 Producer  
Copysystem (500-50)

Designed for heavy video and large format still cameras weighing up to 40 lbs. (18kg), the VP400 Copystand meets the most rigorous pro video and photo demands. A heavy walled extruded aluminum 5' (152cm) column is mounted on its own solid support instead of on the baseboard, allowing use of even the heaviest camera. An oversized 7x10" (18x 26cm) mounting plate, supported by 4 machined steel shafts, provides easy centering and horizontal placement of camera lens over the baseboard. The extruded camera carriage travels with exceptional stability along the column, thanks to support provided by eight Nylatron rollers. The carriage features a rugged rack and pinion drive, Bencher's exclusive dual brake pads, a large knurled knob for one-hand manual operation and critical focusing on motorized models. An easy-to-read column scale assures accurate carriage placement. The black finished 25x25" (64x64cm) steel baseboard eliminates warping, is glare resistant and includes markings for document placement. The VP400 Copysystems feature flicker-free quartz halogen lights for both side lighting and base illumination. An exclusive reflector design within each 300w sidelight creates even illumination with consistent 3200° Kelvin color balanced illumination. Items can be placed on the VP400's glare-resistant black steel baseboard (which eliminates warping problems associated with composition baseboards and allows the use of holddown strips) or a 600w base illuminator that is precisely balanced to the side lights, with even illumination across the 16x16" (41x41cm) copy surface. An optional factory-installed motor drive is available for easy up-and-down movement. A remote control outlet is standard with this accessory.

#### VP400 Column and Carriage (500-00)

Build a system to your exact specifications using Bencher's array of modular components and accessories. 5' (1.52m) column comes with mounting bolts.

Item # **BEVP400CC**.....**791.95**

#### VP400 Column and Carriage (500-01)

Same as above, plus motor drive.

Item # **BEVP400CCM**.....**1,286.95**

#### VP400 Column and Carriage (500-02)

Same as model 500-00, plus motor drive and light control.

Item # **BEVP400CCMLC**.....**1,429.95**

#### VP400 Wall Mount Column and Carriage (500-10)

For users with limited space. Complete with steel wall brackets for attachment to wall. Copy lights and other options are available.

Item # **BEVP400CCWM**.....**863.95**

#### VP400 Wall Mount Column and Carriage (500-11)

Same as the 500-10, plus motor drive.

Item # **BEVP400CCMWM**.....**1,349.95**

#### VP400 Wall Mount Column and Carriage (500-12)

Same as 500-10, plus motor drive and light control.

Item # **BEVP400CCMLW**.....**1,493.95**

#### VP400 Tabletop Copystand (500-20)

Full 5' (1.52m) column permits this stand to be used easily on bench, tabletop or on the floor. Copy lights and other accessories are available.

Item # **BEVP400TT**.....**1,061.95**

#### VP400 Tabletop Copystand (500-21)

Same as the 500-20, plus motor drive.

Item # **BEVP400MTT**.....**1,547.95**

#### VP400 Tabletop Copystand (500-22)

Same as model 500-20, plus motor drive and light control.

Item # **BEVP400MLCTT**.....**1,691.95**



VP400  
Tabletop  
Copystand

### Producer Copysystems

The Producer Copysystem is a popular all-in-one package that is ready to work as soon as your camera is attached. Includes a 5-foot column, carriage, steel baseboard, 4 side-lights, sidelight arms and sidelight control. Producer models available as desktop or floor stand models. Floor stand models feature adjustable legs, for a work surface height from 18-30" (46-76cm).

#### VP400 Producer Tabletop (500-50)

Ready to use out of the box. Can be used on the floor, desktop or bench.

Item # **BEVP400PTT**.....**1,776.50**

#### VP400 Producer Tabletop (500-51)

Same as mode 500-50, plus motor drive.

Item # **BEVP400PMTT**.....**2,294.95**

#### VP400 Producer Tabletop (500-55)

Same as model 500-50, plus adjustable legs that allow the baseboard to be positioned 18-30" (46x76cm) above floor level, providing choice of comfortable camera or tabletop viewing height.

Item # **BEVP400PF**.....**1,988.95**

#### VP400 Producer Tabletop (500-56)

Same as model 500-55, plus motor drive.

Item # **BEVP400PMF**.....**2,519.95**



# BENCHER

## COPY STANDS

### VP400 COPYSTAND SPECIFICATIONS

Model	Description	Column Ht.	Baseboard	Overall Dimensions	Weight.	Item #
50000	UP400 Col & Carriage	5' (1.52m)	n/a	9 x 17 x 60" (23 x 43 x 152cm) W.D.H.	42 lbs. (19kg)	BEVP400CC
50001	UP400 Col & Carriage (Motor)	5' (1.52m)	n/a	9 x 17 x 60" (23 x 43 x 152cm) W.D.H.	50 lbs. (22.7kg)	BEVP400CCM
50002	UP400 Col & Carriage (Motor/Lt Ctrl)	5' (1.52m)	n/a	9 x 17 x 60" (23 x 43 x 152cm) W.D.H.	54 lbs. (24.5kg)	BEVP400CCMLC
50010	UP400 Col & Carriage (Wall)	5' (1.52m)	n/a	9 x 22 x 72" (23 x 56 x 183cm) W.D.H.	50 lbs. (22.7kg)	BEVP400CCWM
50011	VP400 Col & Carriage (Wall Motor)	5' (1.52m)	n/a	9 x 22 x 72" (23 x 56 x 183cm) W.D.H.	58 lbs. (26.3kg)	BEVP400CCWMW
50012	VP400 Col & Carriage (Wall Mot & Lt)	5' (1.52m)	n/a	9 x 22 x 72" (23 x 56 x 183cm) W.D.H.	62 lbs. (28.1kg)	BEVP400CCMLW
50020	VP400 Tabletop Copystand	5' (1.52m)	25 x 25" (64 x 64cm) W.D.	25 x 35 x 63" (64 x 89 x 160cm) W.D.H.	76 lbs. (34.5kg)	BEVP400TT
50021	VP400 Tabletop Copystand (Motor)	5' (1.52m)	25 x 25" (64 x 64cm) W.D.	25 x 35 x 63" (64 x 89 x 160cm) W.D.H.	84 lbs. (38.1kg)	BEVP400MTT
50022	VP400 Tabletop Copystand (Mot & Lt.)	5' (1.52m)	25 x 25" (64 x 64cm) W.D.	25 x 41 x 63" (64 x 104 x 160cm) W.D.H.	88 lbs. (39.9kg)	BEVP400MLCTT
50050	VP400 Tabletop Producer	5' (1.52m)	25 x 25" (64 x 64cm) W.D.	59 x 41 x 63" (149 x 104 x 160cm) W.D.H.	100 lbs. (45.4kg)	BEVP400PTT
50051	VP400 Tabletop Producer (Motor)	5' (1.52m)	25 x 25" (64 x 64cm) W.D.	59 x 41 x 63" (149 x 104 x 160cm) W.D.H.	104 lbs. (47.2kg)	BEVP400PMTT
50055	VP400 Floor Producer	5' (1.52m)	25 x 25" (64 x 64cm) W.D.	59 x 41 x 90" (149 x 104 x 229cm) W.D.H.	145 lbs. (65.8kg)	BEVP400PF
50056	VP400 Floor Producer (Motor)	5' (1.52m)	25 x 25" (64 x 64cm) W.D.	59 x 41 x 90" (149 x 104 x 229cm) W.D.H.	148 lbs. (67.1kg)	BEVP400PMF
50070	VP400 Floor Illuma	5' (1.52m)	25 x 25" (64 x 64cm) W.D.	59 x 41 x 90" (149 x 104 x 229cm) W.D.H.	171 lbs. (77.6kg)	BEVP400I
50071	VP400 Floor Illuma (Motor)	5' (1.52m)	25 x 25" (64 x 64cm) W.D.	59 x 41 x 90" (149 x 104 x 229cm) W.D.H.	174 lbs. (78.9kg)	BEVP400IM

Subject to change without notice

### VP400 Illumma Copystands

The VP400 Illumma Copysystem is the ideal unit for the flexible full service facility. A 16 x 16" (41 x 41cm) quartz halogen base illuminator, which accommodates transparencies, gels, overheads, etc., is built into the base. Base illumination is exceptionally even. A full complement of sidelights and controls are included with the Illumma. Switching from side-light to base illumination is easy using the baseboard control panel. Hi/Low switching prevents overheating. Adjustable legs allow the work surface to be positioned 18-30" (46-76cm).

#### VP400 Illumma Floorstand (500-70)

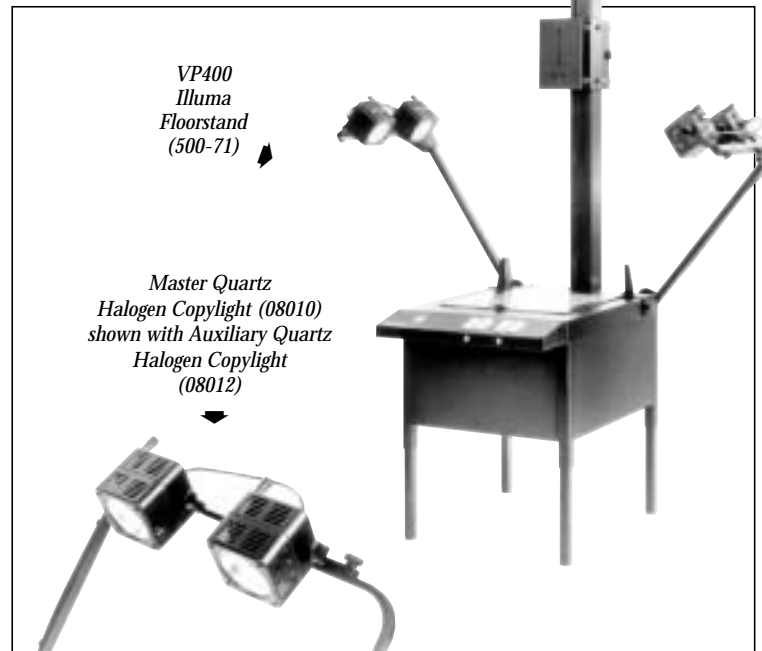
A 16 x 16" (41x41cm) quartz halogen illuminator is set into the baseboard for extra versatility. The 600w illuminator is precisely balanced to the sidelights by using a quartz halogen lamp with the same 3200° Kelvin color balance. Includes adjustable legs for positioning 18-30" (46-76cm) above floor.

Item # **BEVP400I** .....**2,627.95**

#### VP400 Illumma Floorstand (500-71)

Same as model 500-70, plus motor drive.

Item # **BEVP400IM**.....**3,049.95**



# BENCHER

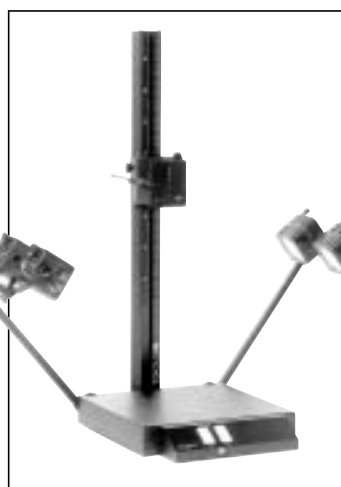
## COPY STANDS

### VP400 ACCESSORIES

Model	Description	Item #	Price	Model	Description	Item #	Price
08082	Copyright Safety Glass Kit, Set of 4	BESGS4	99.95	08010	Master Qtz Halogen Copyright, Set of 2	BECLQMS	215.95
08084	Copyright Baffle, Set of 4	BECLBS4	89.95	08012	Aux. Qtz. Halogen Copyright, Set of 2	BECLQAS	215.95
58090	Qtz Halogen Base Illuminator	BEBIVP400	1304.95	58070	Light Control	BECLCVP400	242.95
57040	Copy Mask Set	BECMSVP400	188.95	57010	Floor Base	BEFBVP400	359.95
57042	Book/Copy Holddown	BEBCHDVP400	179.95	58090	Base Illuminator	BEBIVP400	1304.95
57060	Slide Duplicator	BESDVP400	107.95	06049	49mm Reflection Shield	BECRS49	26.95
57000	Wall Mounting Bracket Set	BESWVP400	73.95	06052	52mm Reflection Shield	BECRS52	26.95
06020	Camera Quick Release	BEQRQ	36.95	06055	55mm Reflection Shield	BECRS55	26.95
58000	Sidelight Arm Set of 2	BESLASVP400	206.95	06058	58mm Reflection Shield	BECRS58	26.95
58008	Swivel Light Arm Set of 2	BESLASVP400Q	74.95	06062	62mm Reflection Shield	BECRS62	29.95

Subject to change without notice

### VP310 Copystands



Successor to the best-selling M2 Copystand series, the VP310 Copystand is a practical tool for the pro. Offering exceptional stability, flexibility and ease of use at affordable prices, it is ideal for lighter video, medium-format and 35mm cameras. An independent support system for the column eliminates the need for the column to rest directly on the baseboard. This provides the strongest possible structure for maintaining camera stability while using as much of the baseboard area as possible. A

one-piece extruded aluminum column, carriage and camera mounting plate also enhance stability. Camera height can be smoothly adjusted, thanks to specially-designed rollers, one-hand control and dual brake pads to lock the camera in any position. Floor models let you adjust height to between 18-30" (46-76cm) for comfortable viewing. A new steel baseboard provides glare-resistant black and eliminates warping. The surface measures 20 x 20" (51 x 51cm) and features document markings for placement. Optional book/copy holddown, light control and light support arms are available. Illumination is precise and balanced, thanks to flicker-free quartz halogen side and base lights. Each side light uses a specially-designed reflector to evenly flood the baseboard with 3200° Kelvin illumination. Base illumination, when provided, is matched to the side lights. Light controls allow lowering light intensity while composing and focusing. This prevents overheating, extends bulb life and saves energy. Standard column height is 4' (1.2m). A 5' (1.5m) column is available as an option.

### V310 Columns and Carriages

#### VP310 Column and Carriage (600-00)

For special applications or limited space. Mount this column/carriage on the work surface of your choice.

Item # **BEVP310CC**.....**339.95**

#### VP310 Column and Carriage with 5' Column (600-03)

Same as model 600-00, but with a 5' (1.5m) high column.

Item # **BEVP310CC5**.....**377.95**

#### VP310 Wall Mount Column and Carriage (600-10)

Complete with wall mounting material.

Item # **BEVP310CCWM**.....**422.95**

#### VP310 Wall Mount Column and Carriage with 5' Column (600-13)

Wall mount unit with 5' (1.5m) column.

Item # **BEVP310CCWM5**.....**449.95**

### V310 Tabletop and Floor Producers

#### VP310 Tabletop Producer (600-50)

Complete and ready to go. Features include 4' (1.2m) extruded column, carriage, steel baseboard, 4 sidelights, sidelight support arms, sidelight control. Sidelight control adjusts light intensity. Manual and motorized models available. Floor stand features adjustable legs.

Item # **BEVP310PTT**.....**1,199.95**

#### VP310 Tabletop Producer with 5' (1.5m) Column (600-52)

Same as above, but with 5' (1.5m) column.

Item # **BEVP310PTT5**.....**1,439.95**

#### VP310 Floor Producer (600-55)

Same as model 600-50, plus adjustable legs for comfortable working height when placed on the floor.

Item # **BEVP310PF**.....**1,637.95**

#### VP310 Floor Producer with 5' Column (600-57)

Same as above, but with 5' (1.5m) column.

Item # **BEVP310PF5**.....**1,664.95**

### VP310 Tabletop Copystands

#### VP310 Tabletop Copystand (600-20)

Basic tabletop configuration includes camera carriage, extruded column and steel baseboard. Lights and other accessories are purchased separately and can be configured to meet user's exact requirements.

**Item # BEVP310TT .....474.95**

#### VP310 Tabletop Copystand with 5' Column (600-23)

Same as the VP310 Tabletop Copystand, with a 5' (1.5m) column.

**Item # BEVP310TT5 .....643.95**

### VP310 Floor Illuma

#### VP310 Floor Illuma (600-70)

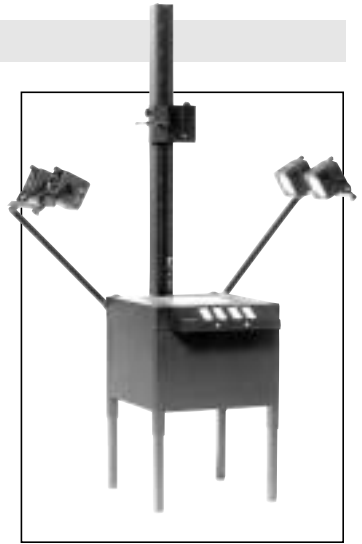
Designed for full-service copy facilities where flexibility and dependability are critical. The standard 4' extruded aluminum column is mounted to a 20x20" (51x51cm) welded steel base instead of a laminate baseboard. A 12x12" (30x30cm) quartz halogen base illuminator is built into the base for copying evenly illuminated transparencies, overheads, gels and more. A full complement of sidelights and controls complement the VP310 Illuma: Sidelight variable power controls, sidelight/base illumination switches and high-low switching control light output and direction. Adjustable legs allow the Illuma baseboard working area to be positioned 18-30" (46x76cm) above the floor for a comfortable working height.

**Item # BEVP310IF.....2,141.95**

#### VP310 Floor Illuma with 5' (1.5m) Column (600-72)

Same as the 600-70, but with 5' (1.5m) column.

**Item # BEVP310IF5.....2,168.95**



### VP310 COPYSTAND SPECIFICATIONS

Model	Description	Item#	Column Ht.	Baseboard	Overall Dimensions	Weight.
600-00	VP310 Column and Carriage	BEVP310CC	4' (1.2m)	none	15 x 8 x 48" (38 x 20 x 122cm) W.D.H.	24 lbs. (10.9kg)
600-03	VP310 5' Column and Carriage	BEVP310CC5	5' (1.5m)	none	15 x 8 x 60" (38 x 20 x 152cm) W.D.H.	29 lbs. (13.2kg)
600-10	VP310 Wall Mount Column and Carriage	BEVP310CCWM	4' (1.2m)	none	15 x 8 x 57" (38 x 20 x 145cm) W.D.H.	32 lbs. (14.5kg)
600-12	VP310 5' Wall Mount Column and Carriage	BEVP310CCWM5	5' (1.5m)	none	15 x 8 x 69" (38 x 20 x 175cm) W.D.H.	37 lbs. (16.8kg)
600-20	VP310 Tabletop Copystand	BEVP310TT	4' (1.2m)	20x20" (51x51cm) W.D.	20 x 31 x 49" (51 x 79 x 124cm) W.D.H.	52 lbs. (23.6kg)
600-23	VP310 5' Tabletop Copystand	BEVP310TT5	5' (1.5m)	20x20" (51x51cm) W.D.	20 x 31 x 61" (51 x 79 x 155cm) W.D.H.	57 lbs. (25.9kg)
600-50	VP310 Tabletop Producer	BEVP310PTT	4' (1.2m)	20x20" (51x51cm) W.D.	52 x 46 x 49" (132 x 117cm) W.D.H.	74 lbs. (33.6kg)
600-52	VP310 5' Tabletop Producer	BEVP310PTT5	5' (1.5m)	20x20" (51x51cm) W.D.	52 x 36 x 61" (132 x 91 x 124cm) W.D.H.	79 lbs. (35.8kg)
600-55	VP310 Floor Producer	BEVP310PF	4' (1.2m)	20x20" (51x51cm) W.D.	52 x 36 x 75" (132 x 91 x 191cm) W.D.H.	113 lbs. (51.3kg)
600-57	VP310 5' Floor Producer	BEVP310PF5	5' (1.5m)	20x20" (51x51cm) W.D.	52 x 36 x 87" (132 x 91 x 221cm) W.D.H.	118 lbs. (53.5kg)
600-70	VP310 Floor Illuma	BEVP310IF	4' (1.2m)	20x20" (51x51cm) W.D.	52 x 36 x 75" (132 x 91 x 191cm) W.D.H.	131 lbs. (59.4kg)
600-72	VP310 5' Floor Illuma	BEVP310IF5	5' (1.5m)	20x20" (51x51cm) W.D.	52 x 36 x 87" (132 x 91 x 221cm) W.D.H.	136 lbs. (61.7kg)

Subject to change without notice

# BENCHER

## ACCESSORIES

### Quartz Halogen Copylights

#### CM2 Quartz Halogen Copylights with Arms (980-10)

The Quartz Halogen Copylight system comes complete with copy lights and sidelight arms which can be mounted at the rear of the baseboard. Originals can be positioned without interference from sidelight arms. Lights feature Bencher's unique reflector design for even illumination. 2 per package. Weighs 11 lbs (5kg).

**Item # BECLQSCM2.....278.95**

#### Master Quartz Halogen Copylight Set (080-10)

These are designed to be the main light source when only one copy light per side is needed. Each light attaches directly to the sidelight or swivel sidelight arms. Includes an electrical socket to power the Auxiliary Quartz Halogen Copylight when 4 lights are needed. 2 per package. Electrical Capacity: 120VAC 5.0A 50/60Hz. Weighs 6 lbs. (2.7kg).

**Item # BECLQMS.....215.95**

#### Auxiliary Quartz

##### Halogen Copylight (080-12)

Plugs into Master Quartz Halogen Copylights, converting them into a complete Quad four-light copyset. 2 per package. Electrical Capacity: 120VAC 5.0A 50/60Hz. Weighs 6 lbs. (2.7kg).

**Item # BECLQAS.....215.95**

#### Quad Quartz Halogen Copylight Set (080-14)

This package consists of the Master and Auxiliary Quartz Halogen Copylight Sets. Makes a complete 4-light system, providing extremely even coverage over the entire baseboard. Electrical Capacity: 120V 10.0A 50/60Hz. 4 per package. Weighs 11 lbs (5kg).

**Item # BECLQQS.....431.95**



### Sidelight Arm Sets

#### CM2 Sidelight Arm Set (980-00)

These sidelight arms can be mounted at the rear of the baseboard. Originals can be positioned without interference from the sidelight arms. Weighs 8 lbs. (3.6kg).

**Item # BESLASC2.....73.95**

#### VP310 Sidelight Arm Set (680-00)

Weighs 7 lbs. (3.2kg).

**Item # BESLASVP310...152.95**

#### VP400 Sidelight

##### Arm Set (580-00)

The VP400 sidelight arms permit smooth adjustment of the master or quad copy lights to the baseboard. Lighting efficiency is maximized for materials being copied. Sidelights mount to an adjustable horizontal light arm. This mounts on a rigid support arm that pivots through a 90° arc with built-in indexing, positioning lights at 45°. Weighs 9 lbs. (4kg).

**Item # BESLASVP400...206.95**

### Wall Mounting Brackets

#### Wall Mounting Bracket Set for VP310 (670-00)

The set of two steel Wall Mounting Brackets attaches directly to a wall and accommodates VP310 Column and Carriage assembly (including Motor Drives). May be mounted at any height, as needed. Weighs 8 lbs. (3.6kg).

**Item # BEBSWMP310....84.95**

#### Wall Mounting Bracket Set for VP400 (570-00)

The set of two steel Wall Mounting Brackets attaches directly to a wall and accommodates VP400 Column and Carriage assembly (including Motor Drives). May be mounted at any height, as needed. Weighs 8 lbs. (3.6cm).

**Item # BEBSWVP400.....73.95**

#### CM2 Copylight Control (980-70)

Electrical Capacity of 120VAC 5A 60Hz. Weighs just 3 lbs (1.4kg).

**Item # BECLCCM2 .....98.95**

### Quartz Halogen Copylight Baffles

#### Master Quartz Halogen Copylight Baffle (080-83)

2 per order. Weighs just 2 lbs. (.9kg)

**Item # BECLBS2.....49.95**

#### Quad Quartz Halogen Copylight Baffle (080-84)

4 per order. Weighs just 3 lbs. (1.4kg)

**Item # BECLBS4.....89.95**

### Copylight Controls

#### VP310 Copylight Control (680-70)

Electrical Capacity of 120VAC 10A 50/60 Hz. Weighs just 10 lbs. (4.5kg).

**Item # BECLCVP310.....269.95**

#### VP400 Copylight Control (580-70)

Electrical Capacity of 120VAC 10A 50/60Hz. Weighs just 15 lbs. (6.8kg).

**Item # BECLCVP400.....242.95**

### Halogen Lamps & Incandescent Bulbs

#### 120v/250w

##### Quartz Halogen Lamp (135-31)

**Item # BELFKT.....18.95**

#### 120v/250w

##### Quartz Halogen Lamp (138-70)

4 per package.  
**Item # BELFKT4.....96.95**

#### 120v/300w Halogen Lamp (090-00)

**Item # BEL300W .....19.95**

#### 120v/300w Halogen Lamp (090-02)

2 per package.  
**Item # BEL300W2 .....64.95**

#### 120v/300w Halogen Lamp (090-04)

4 per package.  
**Item # BEL300W4.....107.96**

#### 120v/600w

##### Quartz Halogen Lamp (135-30)

**Item # BELDYH .....15.95**

#### 120v/600w Quartz Lamp Set (090-10)

Two per package.  
**Item # BELDYS.....26.96**

#### 120v/250w Incand. Bulb (135-32)

2 per package.  
**Item # BELBBA .....16.96**

**Most Orders Shipped Within 24 Hours**

# BENCHER

## ACCESSORIES

### Polarizing Filter Sets

**Polarizing Filter Set for Master Quartz** (080-87)  
Polarized Linear Sheet size: 8 x 7" (20 x 18cm). 2 per package.  
Weighs 3 lbs. (1.4kg)  
**Item # BEPMS.....56.50**

**Polarizing Filter Set for VP400 Quad Copy** (580-89)  
Polarized lighting can be adjusted to control reflections and glare caused by shiny or complex surfaces in original subject matter. Comes with mounting frames and filters to fit the standard side light arms. A camera lens polarizer, not included, is required. See our Filter section for details. Sidelight arm braces should be used to keep filter assembly rigid. Bencher polarizer filters are laminated in heavy plastic to prevent damage and may be washed with a mild detergent. Use with light control to minimize filter fade. 2 per package. Polarized Linear Sheet size: 18.8 x 10.3" (48 x 26cm)  
Weighs 10 lbs. (4.5kg).  
**Item # BEPQSV400.....242.95**

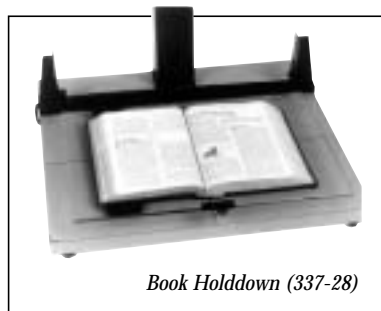
**Quad Light Polarizing Filter Set for VP310** (68089)  
Weighs 10 lbs. (4.5kg).  
**Item # BEFSPQLVP310.....242.95**

**Polarizing Filter Set for Master Quartz Light** (09082)  
These Polarizing filters are made for use with the Master Quartz Light only. They attach directly to the copy light housing and include mounting frames and filters. Polarizer filter must be purchased separately (see our filter section for details). Filters are laminated in heavy plastic to prevent damage and may be washed with a mild detergent. Use with Light Control to minimize filter fade. 2 per package. Weighs 1 lb. (.45kg).  
**Item # BEPRMS.....57.95**

**Polarizing Filter Set for Quad Copylight** (090-80)  
Weight: 1 lb. (.45kg)  
**Item # BEPRQS.....116.95**

### Book/Copy Holddowns

**CM2 Book/Copy Holddown** (337-28)  
A special easel designed to hold books open for photography or A/V use. This device protects valuable books by putting only the weight of the sheet against the pages and binding. Foam rubber blocks support the thinner open side of the book, gently holding the pages against the glass. The book holder clamps to the baseboard. Glass working area: 16 x 13.5" (41 x 31cm) W.D. Accepts materials to 3.5" (8.9cm) thick. Weighs 12 lbs. (5.4kg).  
**Item # BEBHDCM2.....206.95**



Book Holddown (337-28)

**VP400 Book/Copy Holddown** (570-42)  
When books, charts, graphs or pictures are regularly photographed, this accessory is very helpful. The Book/Copy holddown quickly attaches to the baseboard. Features a hinged heavy plate glass that holds subject material up to 3.5" (9cm) thick. Foam blocks support the thinner open side of the book. Glass working area: 18 x 15.5" (46 x 39cm) W.D. Weighs 15 lbs. (6.8kg).  
**Item # BEBCHDVP400.....179.95**

**Book/Copy Holddown for VP310** (67042)  
When books, charts, graphs or pictures are regularly photographed, this accessory is very helpful. The Book/Copy holddown quickly attaches to the baseboard. It features a hinged heavy plate glass that holds subject material up to 3.5" (9cm) thick. Foam blocks support the thinner open side of the book. Weighs 15 lbs. (6.8kg).  
**Item # BEBCHDVP310.....179.95**

### Base Illuminators

**VP310 Quartz Halogen Base Illuminator** (680-90)  
A 14x17" (36x43cm) base illuminator features a quartz halogen light, set into the baseboard. A 600w illuminator with a 3200° Kelvin temperature is used. This single light source design is unique to Bencher and has two levels of intensity. A concealed whisper fan assures cool surface temperature. Baseboard net working area: 26x19" (66x48cm). Weighs 94 lbs. (42.6kg).  
**Item # BEBIVP310.....1,214.95**

**VP400 Quartz Halogen Base Illuminator** (580-90)  
Adjustable legs permit positioning from 18-30" (46-76cm) above the floor. A 16x16" (41x41cm) base illuminator with a quartz halogen light is set into the baseboard. A 600w illuminator with a 3200° Kelvin is used. This single light source has two levels of intensity. A concealed whisper fan assures cool surface temperature. Baseboard net working area: 25x25" (64x64cm). Overall Dimensions: 25x25x30" (64x64x76cm) W.D.H. Weight: 106 lbs. (48kg)  
**Item # BEBIVP400.....1,304.95**

### Quartz Halogen Copylight Safety Glass Kits

**Quartz Halogen Copylight Safety Glass Kit** (080-80)  
2 per order. Weighs 1 lb. (.45kg).  
**Item # BESGS2.....54.95**

**Quartz Halogen Copylight Safety Glass Kit** (080-82)  
4 per order. Weighs 2 lbs. (.9kg).  
**Item # BESGS4.....99.95**

**Quartz Halogen Copylight Safety Glass** (090-90)  
Replacement.  
**Item # BESG.....37.95**



# BENCHER/RAYNOX

## BENCHER ACCESSORIES

### Camera Reflection Shields

When copying flat glossy subjects or material under glass, the camera will see its own reflected image. The black aluminum Camera Reflector Shield eliminates this problem. Attach it to the front of the lens via an accessory ring, and the camera is hidden.

49mm Camera  
Reflection Shield (060-49)  
Item # **BE CRS49** .....**26.95**

52mm Camera  
Reflection Shield (060-52)  
Item # **BE CRS52** .....**26.95**

55mm Camera  
Reflection Shield (060-55)  
Item # **BE CRS55** .....**26.95**

58mm Camera  
Reflection Shield (060-58)  
Item # **BE CRS58** .....**26.95**

62mm Camera  
Reflection Shield (060-62)  
Item # **BE CRS62** .....**29.95**

Hasselblad Camera  
Reflection Shield (060-90)  
Item # **BE CRSH** .....**59.95**

### Slide Duplicators

Slide Duplicator for VP400 (570-60)  
This slide duplicator offers a convenient way to copy 35mm slides when used in conjunction with the VP400 quartz base illuminator. The duplicator utilizes the available transmission light source and includes a filter drawer for adding gel filters for special effects or color temperature correction, when needed. A positioning stop offers additional convenience when copying multiple slides. Weighs 7 lbs. (3.2kg).

Item # **BESDVP400** .....**107.95**

Slide Duplicator for VP310 (670-60)  
Same as above, but for the VP310.

Item # **BESDVP310** .....**99.95**

### Counterbalance Springs

8-15 lb. (3.6-6.8kg)  
Counterbalance Spring (650-00)  
Factory installed.  
Item # **BE CBF1** .....**25.95**

8-15 lb. (3.6-6.8kg)  
Counterbalance Spring (690-70)  
User installed.  
Item # **BE CB** .....**38.95**

### Miscellaneous Accessories

VP400 Sidelight Arm,  
Set of 2 (580-00)  
Smooth adjustment of master  
or quad copy lights to the  
baseboard. Copy lights pivot  
through 90° arc with built-in  
indexing for 45° setting.  
Sidelights mount to an  
adjustable horizontal light arm  
that allows light to be adjusted  
for baseboard distance. Weighs  
9 lbs. (4kg).  
Item # **BESLASVP400** ....**206.95**

CM/2 Precision Camera  
Leveling Plate (136-10)  
Most cameras which are  
designed to work on tripods  
may not line up properly on  
copystands. The Precision  
Camera Leveling Plate replaces  
the standard camera platform  
and offers precise fore and aft  
tilting of the vertical axis. Once  
set, it may be locked. Fits  
Copymate II and CM310  
stands. Weighs 2 lbs. (.9kg).  
Item # **BELPCM2** .....**54.95**

CM2 Column Scale (337-50)  
Weighs 1 lb. (.45kg)  
Item # **BE CSCM2** .....**17.95**

Copy Mask Set for VP400 (570-40)  
Five black anodized aluminum  
masks, sized 11x14", 10x12",  
8x10", 5x7" and 4x5", are  
designed to be set into the aper-  
ture of the base illuminator or  
movable copy stage. Use when  
copying transparencies, radi-  
ographs and other backlit sub-  
jects to reduce flare. Weighs 6  
lbs. (2.7kg).  
Item # **BE CMSVP400** .....**188.95**

VP400 Copystand  
Floor Base (570-10)  
Features adjustable legs for com-  
fortable viewing position.  
Finished in black, this unit offers  
easy attachment to the 25x25"  
(64x64cm) baseboard. Elevation  
range: 18-30" (46-76cm).  
Baseboard: 25x25" (64x64cm).  
Weighs 57 lbs. (25.9kg).  
Item # **BE FBVP400** .....**359.95**

## RAYNOX

*Macro photography captures objects in frame-filling close-up. Micro photography employs extreme magnifications to capture details too small to be adequately perceived by the unaided eye. Both produce photos of incredible drama and breathtaking intimacy. The Raynox Micro Explorer lens set provides an inexpensive and easy way to discover this fascinating world.*



Macro Explorer (CM-2000)

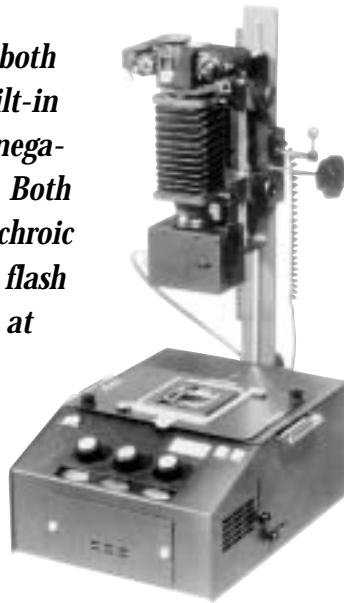
Macro Explorer (CM-2000)  
With universal 52-67mm  
adapters. 2 precision macro  
lenses (1.5x, 2.5x) converts  
your 35mm format (50-  
300mm) or medium format  
(80-180mm) lens into one with  
macro capability.  
Item # **RACM2000** .....**79.95**

Micro Explorer (CM-3500)  
3 micro lenses (6x, 12x, 24x)  
convert your 35mm format  
(135-300mm) or medium for-  
mat (80-180mm) lens into one  
with macro or more powerful  
micro capabilities. Provides  
crisp images.  
Item # **RACM3500** .....**99.95**

# BESLER

## SLIDE DUPLICATORS

*Beseler's Dual-Mode Slide Duplicators incorporate both a quartz-halogen continuous light source and a built-in electronic flash. Ideal for producing duplicates, inter-negatives, inter-positives, title slides and special effects. Both models feature fade-free, continuously variable Dichroic color filtration. The deluxe model offers increased flash power and voltage stabilization for slide production at increased speeds. The fast-recycling flash can be calibrated to match the quartz-halogen light's output, allowing TTL metering and exposure control with either mode. Variable contrast control allows dial-in contrast control and a continuously variable Dichroic color filtration control that can change the YMC balance from 0-200 units. Flash output is related to the output of the continuous light source, making through-the-lens metering possible in both modes. Accepts up to 6x7cm formats directly onto the calibrated film stage. An accessory 4x5" Diffusion Illumination Chamber expands the format capabilities. Special effect compounds and other image enhancing accessories from many photographic, graphics arts and AV sources. Both duplicators include a mounted slide carrier, 35mm strip carrier, magnification slide kit, MacBeth color checker slide, flash sync cord, quartz halogen lamp and flashtube. Optional extended warranties are available.*



### Dual Mode Slide Duplicators

#### Standard Dual Mode Slide Duplicator (4106)

Equipped with the Universal Camera Mount (4118), this duplicator provides easy mounting of virtually any small or medium format camera (Recommended for the mounting of video cameras for transfer of slides to video tape when color correction or other special effects are to be added.) A Bellows Assembly (4140) and Variable Contrast Control Assembly (4141) are available options.

Item # **BESDS** .....**1,292.50**

#### Deluxe Dual Mode Slide Duplicator (4102)

This unit features a more powerful flash output (about twice the power of the Standard Duplicator) and a voltage stabilized continuous tungsten light source. Comes with bellows assembly and Beseler's unique 12-step Variable Contrast Control Assembly. A camera, T-mount and high quality flat field lens are all that's needed to complete the unit.

Item # **BESDD** .....**1,754.50**

### DUAL-MODE SLIDE DUPLICATOR SPECIFICATIONS

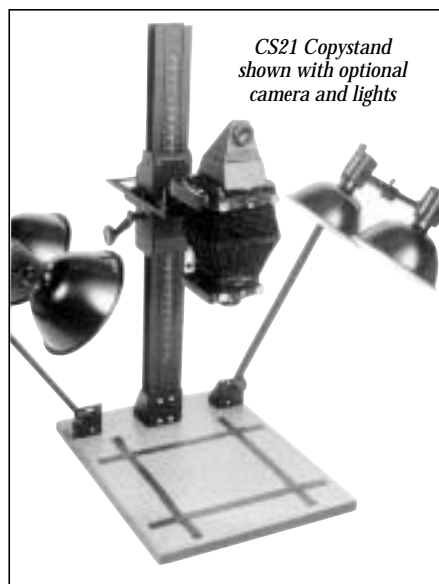
MODEL	DUAL MODE Slide Duplicator	DLX DUAL MODE Slide Duplicator
Electrical Requirements	Cat #4106 120v 50/60Hz, 3a	Cat #4102 120v 50/60Hz, 3a; Cat #4103 240v 50/60Hz, 3a
Dual Illumination System	Continuous LightSource 82v, 250ws Qtz Hal (8108); Electronic Flash 50ws Power Supply; Color Balanced Xenon (4108)	Continuous LightSource 82v, 250ws Qtz Hal (8108); Electronic Flash 150ws Power Supply; Color Balanced Xenon (4108)
Internal Components	Solid State	Solid State, Voltage Stabilized Qtz Halogen $\pm$ 10%
Cooling System	Self-Contained, Centrifugal Type Blower	Self-Contained, Centrifugal Type Blower
Motor Drive Outlet	.125" (3.5mm-.25cm) Mini Phone Socket	.125" (3.5mm-.25cm) Mini Phone Socket
Type of Filtration	Dichroic Interference	Dichroic Interference
Mixing Chamber	Incorporates IR and UV Filtration	Incorporates IR and UV Filtration
Film Sizes	6x7cm and Smaller, 4x5" and Smaller with Optional Diffusion Illumination Chamber (4112)	6x7cm and Smaller, 4x5" and Smaller with Optional Diffusion Illumination Chamber (4112)
Variable Contrast Controller	-	11 Steps of Contrast Control
Auxiliary Filtration	Accepts Filters, Gels, Screens, etc. Up to 3.5" (89mm) sq.	Accepts Filters, Gels, Screens, etc. Up to 3.5" (89mm) sq.
Universal Camera Mount	Accepts Medium Format, Video, 35mm	-
Overall Dimensions	13x17.5x31" (33x45x79cm) WDH	13x17.5x31" (33x45x79cm) WDH

Subject to change without notice

### Dual Mode Slide Duplicate System Accessories

Mounted Slide 2x2" Carrier (6746) <i>Item # BENC35MSSD</i> .....	Electronic Flash Tube (4108) <i>Item # BEFTSD</i> .....	6x4.5cm Film Carrier (6740) <i>Item # BENC645SD</i> .....
35mm Film Carrier (6737) <i>Item # BENC35SD</i> .....	35mm Slide-Magnification Slide Kit (4125) <i>Item # BESK35M</i> .....	6x6cm Film Carrier (6741) <i>Item # BENC66SD</i> .....
Flash-Sync Cord (4120) <i>Item # BESC</i> .....	35mm Slide-Macbeth Color Checker (4126) <i>Item # BECCS</i> .....	6x7cm Film Carrier (6742) <i>Item # BENC67SD</i> .....
82v/250W Quartz Halogen Wiko Lamp <i>Item # WIEVW</i> .....	Lens T-Mount 39mm Thread (4160) <i>Item # BETM39</i> .....	Positive Positioning Slide Carrier (4110) <i>Item # BEPPSC</i> .....
4x5" Diffusion Illumination (4112) For up to 4x5" originals. Use of the Universal Camera Mount (4118) or Beseler Copystand is recommended for camera placement. Weight: 4 lbs. (1.8kg) <i>Item # BEDICSD</i> .....	Variable Contrast Control (4141) Standard on 4102. Weight: 2 lbs. (.9kg) <i>Item # BEVCCA</i> .....	
Universal Camera Mount (4118) For mounting medium-format cameras, video cameras or precise positioning of 35mm SLRs. Standard on 4106. Weight: 2.5 lbs. (1.1kg) <i>Item # BECMU</i> .....	Camera T-Mount Canon (4151) <i>Item # BETMC</i> .....	Camera T-Mount Nikon (4154) <i>Item # BETMN</i> .....
Series 7 Adapter (4114) Mounts the Variable Contrast Control Assembly to series 7 lenses. Standard on 4102. <i>Item # BES7A</i> .....	Camera T-Mount Minolta (4153) <i>Item # BETMM</i> .....	Camera T-Mount Olympus (4155) <i>Item # BETMO</i> .....
Bellows Assembly (4140) Standard on 4102. Weight: 3 lbs. (1.4 kg) <i>Item # BEBASD</i> .....	Rodenstock APO-Rodagon-D 75mm f/4 Lens (8650) A 6 element symmetrical high-performance lens for same-size reproduction of negatives and slides in formats through 6x7cm, the APO Rodagon-D is optimized for 1:1 reproduction. The lens may be used over a range from 1:3 reduction to 3:1 magnification. Preset aperture with full and half click stops are featured. Apochromatic correction ensures outstanding edge definition and sharpness. <i>Item # BE754</i> .....	

### Copystand Systems



Beseler has applied the high-performance, rugged engineering designs that has made them famous in the darkroom to its family of copystands. Three models are provided, offering the ideal selection and combination of accessories for almost any production requirement. The CS-14, CS-20 and CS-24 handle 14", 20" and 24" (36, 51 and 61cm) copy, respectively. The models accept a wide range of camera systems. Options, like the CLA copylight arms, give the user a choice of lighting. Four lights can be mounted onto the universal 3/8" studs, which are positioned for the best illumination control. Additional calibrations and controls are available to enhance operation and output.

All models feature a uniquely adjustable camera platform which facilitates the precise alignment of the optical axis of the camera over the exact center of the baseboard. An abundance of positioning grids on the 18% grey baseboard aids in alignment. Magnetic hold-down bars locate the copy and keep it flat and in place. Accessory CLA Copylight Arms with industry standard 3/8" mounting studs accept almost any light system.

#### CS-14 Copystand (4200)

Rugged copystand offers reliable Beseler performance, an 18 percent gray baseboard with grid and magnetic copy hold-down bars, and a unique, adjustable camera platform that accepts any camera up to 5 lbs (2.3kg). The camera moves on a single straight vertical column, aided by a constant force, counter-balanced elevation system. The turn of a knob locks the camera in position at the desired height. Accepts copy up to 14x14" (36x36cm)  
*Item # BECS14*.....

**189.00**

# BESLER

## SLIDE DUPLICATORS

### Dual Mode Slide Duplicate System Accessories, *continued*

#### CS-14 Kit (4205)

The Beseler CS-14 Kit includes a CS-14 Copystand (see model #4200, on the previous page), CLA Arms, CL-600 Copylights and R-50 Reflector.

**Item # BECS14K .....378.50**

#### CS-21 Copystand (4211)

The CS-21 Copystand takes advantage of the same rigid twin E-channel center-braced column design in the popular 45V-XL enlarger chassis. A rack and pinion elevation system positions the camera where it can be easily locked into position. Front-to-back and left-to-right adjustments are easily made using the camera platform bracket. In addition to all of the features offered by the CS-14, the CS-21 can accommodate copy up to 20 x 20" (51 x 51cm) and handles cameras up to 10 lbs. (4.5kg).

**Item # BECS21 .....349.00**

#### CS-21 Kit

The Beseler CS-21 Kit includes a CS-21 Copystand (see model #4211, above), CLA Arms, CL-600 Copylights and R-50 Reflector.

**Item # BECS21K .....539.95**

#### CLA Copylight Arms (4212)

For CS14, CS20 and CS 24 Copystands, supplied with four positionable universal light mounting brackets with  $\frac{3}{8}$ " mounting studs for lights supplied by user. Weighs 12 lbs. (5.4kg).

**Item # BECLA .....99.00**

#### CL-600 Copylights (4230)

Economical and convenient, Beseler CL-600 copylights are ready-to-use tungsten lamps that provide illumination for all copy work needs. Can be used with standard reflector lamps up to 600 watts. Two lights per package. Weighs 3 lbs. (1.4kg).

**Item # BECL600 .....89.00**

#### R-50 5" (12cm) Reflectors for Copylights/Photofloods (423501)

Anodized aluminum 5" (13cm) reflector with 60° coverage.

Weighs 1 lb. (0.5kg).

**Item # BER5CL .....12.50**

#### R-80 8" (20cm) Reflectors

for Copylights/Photofloods (423701)

The R-80 8" (20cm) Reflector for Copylights and Photofloods is constructed of anodized aluminum. This reflector offers 100° coverage. Weighs 1.5 lbs. (0.7kg).

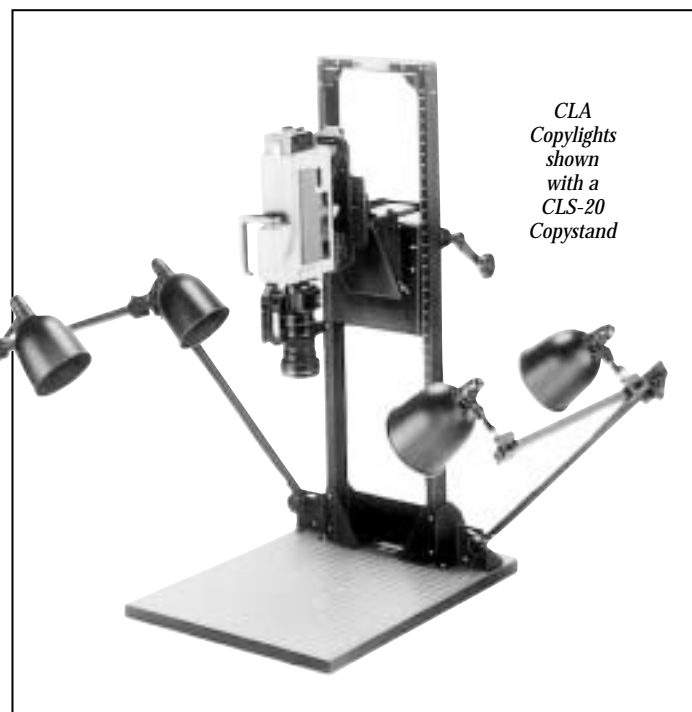
**Item # BER8CL .....14.50**

#### R-100 10" (25cm) Reflectors

for Copylights/Photofloods (423601)

The R-100 10" (25cm) Reflector for Copylights and Photofloods is constructed of anodized aluminum. This reflector offers 50° coverage. Weighs 1.5 lbs. (0.7kg).

**Item # BER10CL .....14.50**



CLA  
Copylights  
shown  
with a  
CLS-20  
Copystand

### COPYSTAND (TOTAL SYSTEM) SPECIFICATIONS

DESCRIPTION	CS-14	CS-20	CS-21	CS-24
Item #	BECS13	BECS20	BECS21	BECS24
Column Height	32.5" (83cm)	48.3" (123cm)	45.5" (116cm)	48.5" (123cm)
Baseboard (WD)	16x19.8" (40.5x50cm)	22x28" (56x71cm)	22x28" (56x71cm)	26x37" (65x93cm)
Overall Dimensions (WDH)	16x19.8x32.3" (40.5x50x82cm)	23x46x7 (58x11x18cm)	23x46x7 (58x11x18cm)	20x49x12" (66x124x30cm)
Weight	27 lbs. (12kg)	43 lbs. (19kg)	62 lbs. (28kg)	93 lbs. (42kg)

*Subject to change without notice*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

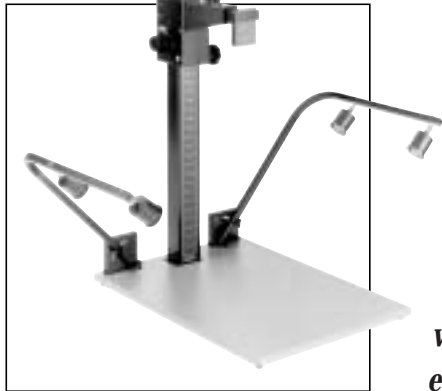
1 • 8 0 0 • 9 4 7 • 6 6 5 0

# B O G E N

## C O P Y   S T A N D S

COPY EQUIPMENT

520



### ST-5 Copystand & L-6 Light Assembly

#### Bogen ST-5 (1890)

The ST-5 is a compact stand that is easy to use and has excellent features, including vibration-free camera support. A friction-elevating drive on the right side lets you raise and lower the camera with your right hand while you keep the copy in focus with the left. This is an excellent choice for close-up, photomacrography and similar applications. Use with L-6 Light Assembly (1893). Column Height: 28" (71cm). Max. Height 28" (71cm). Min. Height: 10.5" (27cm). Base: 14.5-17.5" (37-45) W.D. Weight: 14 lbs. (6.4kg)

Item # **BO1890**.....**119.95**

#### L-6 Light Assembly (1893)

The companion unit for the ST-5, the L-6 consists of two swivel-socket lamp holders mounted on pivoting arms and adjustable over a 90° range for flat and three-dimensional lighting of originals on the baseboard. The lamp holders accept standard reflector flood-light bulbs (not included) up to 150 watts. 150R/FL (ANSI:DW) lamps are suggested. They provide even beam coverage, draw less current and are cooler than photofloods.

Weight: 3 lbs. (1.5kg)

Item # **BO1893**.....**74.95**

#### ST-5 with L-6 Light Assembly (1894)

Max. Height: 26" (66cm). Min. Height: 10.5" (27cm). Column Height: 28" (71cm). Base: 14.5x17.5" (37x44cm) W.D. Weight: 14 lbs. (6.4kg)

Item # **BO1894**.....**179.90**

*For photographers who are seeking solidly-built, full-featured copystands, Bogen offers a full line of versatile, precision-made items. Available in configurations to meet every copy need, the Repro line can accommodate still and video cameras in all formats and weights.*

*For rock-solid performance, see the System 750 lineup, which is built for steady, heavy-use performance for the busiest copy studio. Photographers with budgetary constraints or low traffic copy work may want to consider the TC2 or Mini Repro. No matter what your needs, however, there is a Bogen copystand that is right for you.*

### TC-2 General-Use Copystand

#### Bogen TC-2 (1882)

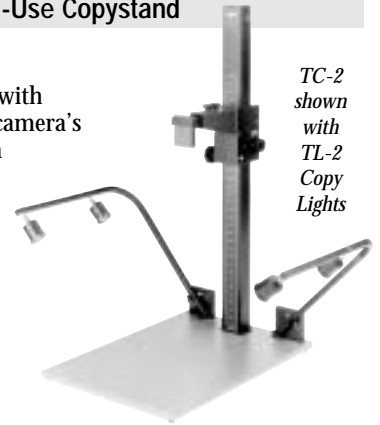
Excellent general-use copystand with features to help you fine-tune a camera's position. Graduated rule column and rotating friction drive allow fine adjustments; a locking knob holds the camera firmly in place. Removable, adjustable alignment guide on the camera arm offers precise leveling control of small format cameras when parallel planes are important. An adjustable double counter-balanced spring makes working with 4x5" view or press cameras as easy as working with a 35mm model. The unit offers one setting for cameras up to 6 lbs., another for cameras up to 12 lbs. (5.4kg). Camera arm length is variable to permit centering of a wide variety of cameras over the neutral grey baseboard. Column height is 43.3" (110cm). Maximum height is 5.8" (15cm). Minimum height is 5.8" (15cm). Camera arm adjustment is 7.8-11" (20 x 28cm). Base is 20x27" (51 x 69cm) W.D. Weighs 32 lbs. (14.5kg).

Item # **BO1882**.....**309.95**

#### Bogen TC-2 (1885)

Same as model #1882 but with optional T-2 Copy Light (model #1883; see Lighting Accessories). Weighs 37 lbs (16.7kg).

Item # **BO1885**.....**444.90**



TC-2 shown with TL-2 Copy Lights

### Mini Repro Copystands

#### Mini Repro (1700)

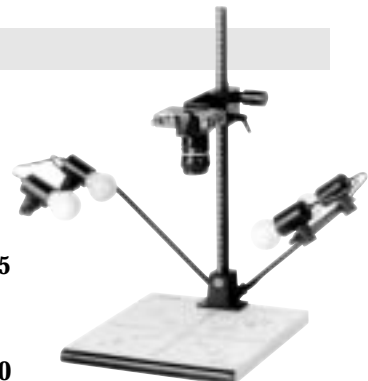
This easy-to-use, economical copystand is suitable for video and still cameras up to medium format and is ideally suited for macro photography and day-to-day copy work. The Mini Repro features a ruled black anodized column that is geared for precise camera positioning. Grid marks on the baseboard help you position and align the original artwork. Column height is 27.5" (70cm). Base is 15.5 x 16.5" (35 x 42cm) W.D. Weight is 15 lbs. (6.7kg).

Item # **BO1700**.....**144.95**

#### Mini Repro (1704)

Same as model #1700 but with 4-light Assembly. Weight: 20 lbs. (9kg)

Item # **BO1704**.....**219.90**





### Repro Copystands

#### Repro (1710)

The Repro features a sturdy geared and ruled column that is suitable for both still and video cameras and can be rotated to copy artwork that is larger than the baseboard. Horizontal camera arm length is adjustable in four equal increments and has attachments for both still and video cameras. Maximum Height: 41" (104cm). Column Height: 46" (117cm). Minimum Height: 7.5" (19cm). Camera Arm Position from Column: 4-12" (10x30cm). Base: 24x27 D.W. (61x69cm). Weight: 40 lbs. (76kg).

**Item # BO1710 .....339.95**

#### Repro (1711)

Repro column only, without baseboard. Weight: 16 lbs (7kg).

**Item # BO1711 .....287.95**

#### Repro (1713)

Same features as model #1710 but with 30x36" (76x91cm) baseboard. Weight: 57 lbs. (26kg).

**Item # BO1713 .....354.95**

### Super-Repro Copystands

#### Super-Repro (1720)

The Super Repro offers the same impressive range of features as the Maxi-Repro, but with a 42" column. Overall Height: 47.5" (121cm) Max. Elevation: 38" (97cm). Min. Elevation: 7.5" (19cm) Camera Arm Adjustment from Column: 3-19" (7x48cm). Base: 24x27" (69x69cm). 50 lbs. (23kg).

**Item # BO1720 .....529.95**

#### Super Repro (1721)

Column only (does not include baseboard). Weight: 26 lbs. (12kg).

**Item # BO1721 .....489.95**

#### Super Repro (1723)

Same as the Super Repro (1720), but with 30 x 36" (76x91cm) baseboard. Weighs 67 lbs. (30kg).

**Item # BO1723 .....544.95**

### Maxi-Repro Copystands

#### Maxi-Repro (1730)

This solidly-built copystand offers an outstanding list of features, including: a counter-balanced, ruled and geared column; a camera arm that is geared for precise front to back centering and a camera leveling guide built into the camera platform. A geared accessory arm offers side-to-side movement, a feature that lets you create animation effects similar to those done on more expensive animation stands. Overall Height: 57.5" (146cm). Max. Height: 48" (107cm). Min. Height: 7.5" (19cm). Camera Arm Adjustment from Column: 3-19" (7x48cm). Base: 30x36" (76x91cm). Weight: 67 lbs. (30kg).

**Item # BO1730 .....549.95**

#### Maxi-Repro Column (1731)

Column only, no baseboard. Height: 57.5" (146cm). Weight: 26 lbs (12kg).

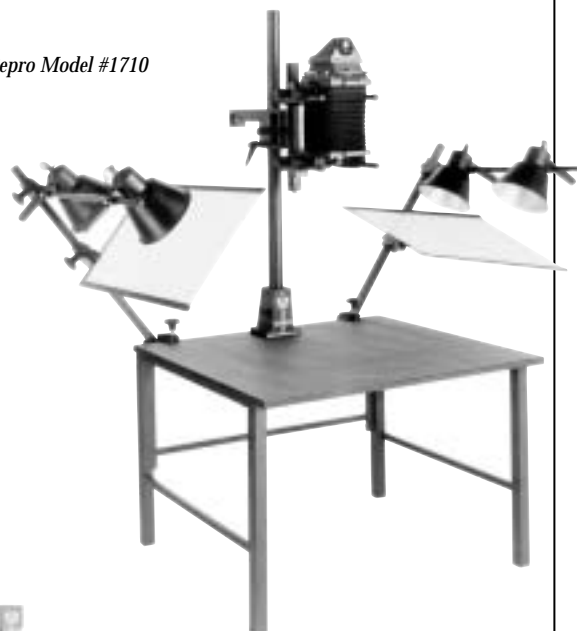
**Item # BO1731 .....494.95**

#### Maxi-Repro Copystand with Table (1738)

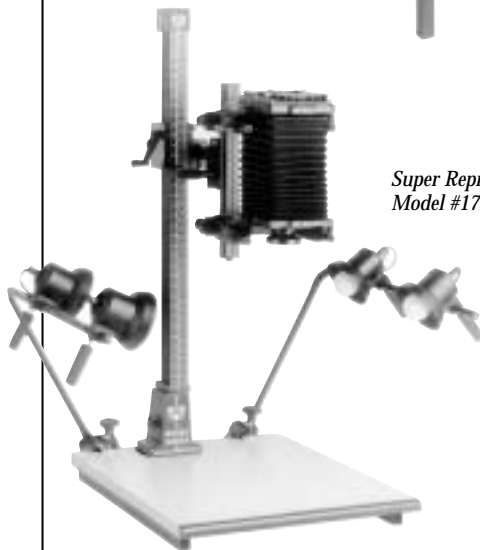
A table and light box is added to the Maxi Repro #1730. It weighs 117 lbs. (53kg).

**Item # BO1738 .....1309.95**

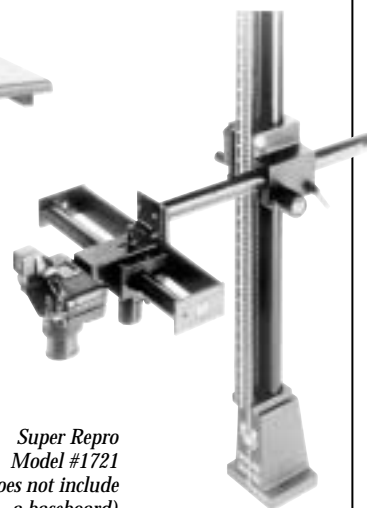
Repro Model #1710



Super Repro Model #1720



Super Repro Model #1721 (does not include a baseboard)



# B O G E N

## C O P Y   S T A N D S

COPY EQUIPMENT

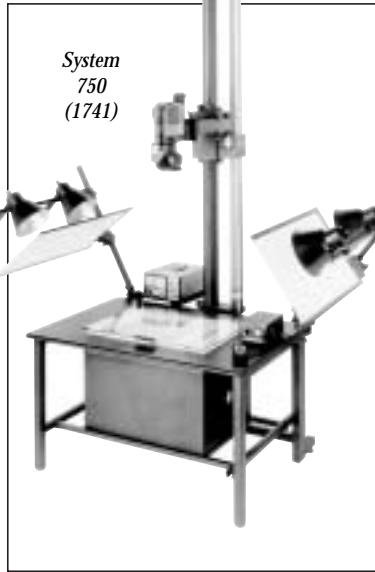
522

### System 750 Copystands

#### System 750 (1740)

A motorized copystand for professional reproduction of transparencies and reflective originals, this stand is for both photo and video applications. The column is mounted on a rock-solid 31.5 x 27.5" (80 x 70cm) table with a magnetic baseboard. The ball-bearing horizontal support arm mount, which can be adjusted for the optimum optical center, will accommodate any camera up to 8x10 format, or any video camera that weighs up to 44 lbs. (19.9kg) The camera is raised and lowered via a variable-speed motor drive. Lights, light boxes, barndoors and hinged glass accessories are available for this state-of-the-art stand. Maximum height is 82.8" (210cm), column height 59" (150cm) and base 27.5 x 31.5" (70 x 80cm) D.W. Weighs 114.5 lbs. (51.9kg).

**Item # BO1740.....2,212.50**



#### System 750 (1741)

Same as the System 750 (1740), but outfitted with a light box instead of a magnetic baseboard. Weighs 155 lbs. (70kg).

**Item # BO1741.....2,416.95**

### Lighting Accessories

#### 4-Light Lighting Assembly (1705)

Four Tungsten Reflector Heads in lighting assembly. Fits all Repro Stands. Weighs 5 lbs. (2.3kg).

**Item # BO1705.....74.95**

#### Lighting Assembly (1735)

Comes with two Tungsten Reflector Heads and fits all Repro Stands. Includes medium screw base sockets and accepts BBA (No. 1 Photoflood) lamps. 16 lbs. (7kg).

**Item # BO1735.....224.95**

#### Four Light Assembly (1736)

Same as 1736, but with 4 light heads. Weighs 17 lbs. (7kg).

**Item # BO1736.....299.95**

#### E27 Base Quartz Lamp 250w (1737)

**Item # BO1737.....46.95**

#### TL-2 Copy Light Assembly (1883)

Copy light assembly for TC-2. Weighs 6 lbs. (2.7kg).

**Item # BO1883.....134.95**

### Accessories for Bogen Repro Copystands

A wide selection of versatile and flexible lighting assemblies and accessories for the Bogen Repro series. All assemblies have a 35.5" (90cm) supporting arm length and are adjustable from 30° to 90°. The cross arm length is 32" (81cm) and is adjustable from 7" (14cm) above the baseboard to up to 35" (89cm).

#### Varilight 1000

##### Power Supply (1742)

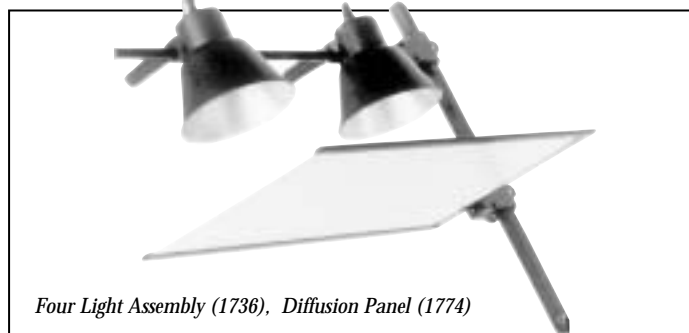
Regulates light intensity. Designed to be used with models #1738, #1740 and #1741. Weighs 5 lbs (2.3kg).

**Item # BO1742.....173.50**

#### Hinged Glass (1743)

Designed for copy work; keeps originals flat on the copystand. Designed to be used with models #1738, #17403 and #1741. Weighs 5 lbs. (2.3kg).

**Item # BO1743.....116.95**



#### Gearred Side Arm (1744)

Provides precise positioning of camera. Weighs 4 lbs. (1.8kg).

**Item # BO1744.....139.95**

#### Magnetic Baseboard Converter (1745)

The magnetic baseboard designed for use with the 750 can also be used on other stands. Measuring 16.5x25" (42x64cm), it can convert a plain baseboard into a magnetic one. 8 lbs. (3.6kg).

**Item # BO1745.....73.95**

#### Diffusion Panels (1774)

Set of two Diffusion Panels fits all Repro Lighting Assemblies and models #1781, #1782, #1783 and #1784. 11 lbs. (5kg).

**Item # BO1774.....136.95**

#### Lightbox for System 750 (1746)

A light box that can be built into System 750. 25 lbs. (11kg).

**Item # BO1746.....275.95**

#### Barndoors (1777)

Set of two Barndoors; fits all heads. Weighs 2 lbs. (0.9kg).

**Item # BO1777.....105.95**

#### Attenuators (1778)

Set of two Attenuators; fits all heads. Weighs 2 lbs. (0.9kg).

**Item # BO1778.....13.95**

#### Filter Holders (1779)

Filter heads for reflector heads. Set of 2. Weighs 1.5 lbs. (0.7kg).

**Item # BO1779.....37.95**

#### Utility Tray with Clamp (1749)

The Utility Tray is a flat surface that clamps to the edge of the System 750 table, keeping needed items within reach. It weighs 1 lbs. (0.5 kg).

**Item # BO1749.....79.95**

# POLAROID

## INSTANT-CAMERA COPY KITS

*The incredibly versatile Polaroid MP-4 system offers photographers all of the benefits of a complete photographic studio without a darkroom. The MP4 camera can be used for copy work, photomicrography and photomacrography. It can double as an off-stand studio or lab view camera, or be used as a 35mm copystand. Pro photographers, scientists and technicians can all turn out high-quality photos with minimal training – no prior photographic knowledge is required to use this system. Because the camera uses Polaroid film, results are seen almost immediately and changes can be made right away, as needed.*

*Both MP-4 cameras offer eye-level reflex viewing, effortless floating focus, six interchangeable flatfield Tominon lenses, a versatile, self-cocking Copal shutter, easily interchangeable film holders, infinitely adjustable built-in lighting, a camera head that rotates 360° and an optional rotating support column. Due to its modular design and wide selection of accessories, the MP-4 lets you select only what you need. And if your needs change or expand, you can add new features later.*



### MP-4+ Systems

#### MP4+ Standard System (617572)

Includes column, baseboard, light arms, sliding head, reflex viewer, standard groundglass and copal shutter.

Item # POMP4PSK .....2,169.95

#### MP4+ Standard Basic System (617571)

The MP4+ Standard Basic System includes a column, baseboard, light arms and copal shutter.

Item # POMP4PSBK.....1,599.95

#### MP4+ XLR System (617569)

Includes XLR Column, XLR Baseboard, XLR Light Arms, sliding camera head, reflex viewer, standard groundglass and copal shutter.

Item # POMP4PXLRK.....2,479.95

#### MP4+ XLR Basic System (617570)

This system includes XLR Column, XLR baseboard, XLR light arms and copal shutter.

Item # POMP4PXLRBK .....1,914.95

### MP-4+ SPECIFICATIONS

DESCRIPTION	MP4+ STANDARD SYSTEM	MP4+ XLR SYSTEM	MP4+ STANDARD BASIC SYSTEM	MP4+ XLR BASIC SYSTEM
Item #	POMP4PSK	POMP4PXLRK	POMP4PSBK	POMP4PXLREK
Column Height	46" (116cm)	66" (168cm)	46" (116cm)	66" (168cm)
Baseboard	18x23" (46x59cm)	23x29" (59x74cm)	18x23" (46x59cm)	23x29" (59x74cm)
Dimensions (WDH)	22x42x43.3" (56x107x110cm)	9.5x12x44.6" (57x30x113cm)	22x42x30.5" (56x107x77cm)	19.5x62x31.7" (80x157x81cm)
Weight	85.8 lbs. (38.9kg)	100.2 lbs. (45.5kg)	74.7 lbs. (33.9kg)	99 lbs. (44.9kg)

Subject to change without notice

### Columns

**MP4+ Standard Fixed Column** (615304)  
46" (116cm) column comes with camera body and carriage assembly. Dust cover and development timer are included. Exterior dimensions: 16.5 x 42 x 19.3" (42 x 107 x 49cm) WDH. Weighs 34 lbs. (15.4kg).  
**Item # POC SMP4P .....1,039.95**

**MP4+ Rotating Column** (615303)  
66" (168cm) column comes with camera body and carriage assembly. Dust cover and development timer are included. Exterior dimensions: 16.5 x 62 x 19.5" (42 x 157 x 50cm) WDH. Weighs 44 lbs. (20kg).  
**Item # POC XLRMP4P1,186.95**

### Baseboards

**MP4+ Standard Baseboard** (615307)  
Includes attached wiring system, storage drawer, leveling feet and 18% gray laminated surface. Exterior dimensions: 22.3 x 28 x 6.5" (57 x 71 x 17cm). Work area: 18x23" (46 x 59cm). 34 lbs. (15.4kg).  
**Item # POBBSMP4P .....409.95**

**MP4+ XLR Baseboard** (615306)  
Exterior dimensions: 27.5 x 34.5 x 7.5" (70 x 88 x 19cm). Work Area: 23x29" (58 x 74cm). Weighs 48 lbs. (21.8kg).  
**Item # POBBXLRMP4P .....571.95**

### Lighting

**Universal Light Arms** (618128)  
Arms and cross bars for use with either the MP4+ XLR or standard systems. Holds lights listed below. Weighs 6.4 lbs. (2.9kg).  
**Item # POLAXLRMP4PQ .....189.95**

**MP4+Standard Tungsten Lights** (615314)  
Includes 4 150W reflector flood lamps and lamp circuitry. Light arms not included. Weighs 10.3 lbs. (4.7kg).  
**Item # POLTUMP4P .....159.95**

**MP4+ Quartz Halogen Lights** (615319)  
Includes two lamp heads with protective screens; provides 3200° Kelvin. Light arms not included. Weighs 4.6 lbs. (2kg).  
**Item # POLQMP4P.....264.95**

**MP4+ Dolan Jenner Fiber Optics Macro Lighting System** (615322)  
Includes quartz halogen 3200° Kelvin illumination via two fiber optic bundles. Weighs 10.5 lbs. (4.8kg).  
**Item # POLMMP4P.....699.95**

**MP4+ Sub-Illuminating Fluorescent Light Box** (615325)  
This sub-illuminating fluorescent light box is for use with the MP4+ XLR baseboard. Weighs 20 lbs. (9kg).  
**Item # POLBFMP4P.....312.95**

### Camera Head Components

**44-41 MP-4 Sliding Camera Head** (601116)  
The 44-41's overall dimensions are 10.4 x 20.7 x 4.5" (2 6x 53 x 11cm) W.D.H. Weighs just 7.9 lbs. (3.6kg).  
**Item # PO4441.....414.95**

**44-45 MP-4 Macro Extension** (601122)  
The 44-45's overall dimensions are 7.8 x 8.9 x 6.9" (20 x 23 x 18cm) W.D.H. Weighs just 2.9 lbs. (1.3cm).  
**Item # PO4445.....154.50**

**TTI AV-810 MP-4 Camera Head** (614086)  
The TTI AV-810's overall dimensions are 22.6 x 17.6 x 24.8" (57 x 45 x 63cm) W.D.H. Weighs 30 lbs. (13.6kg).  
**Item # POTTIAV810 .....1,889.95**

### Lenses

**44-65 135mm Tominon f/4.5-32 Lens** (601148)  
4 elements in 3 groups; Tessar-type lens.  
**Item # PO4465.....267.95**

**44-68 50mm Tominon f/4.5-32 Lens** (601154)  
6 group, symmetric triplet type lens.  
**Item # PO4468.....274.50**

**44-66 105mm Tominon f/4.5-32 Lens** (601150)  
4 elements in 3 groups; Tessar-type lens.  
**Item # PO4466.....267.95**

**44-69 35mm Tominon f/4.5-32 Lens** (601156)  
4 elements in 3 groups; reverse Tessar-type lens.  
**Item # PO4469.....274.50**

**44-67 75mm Tominon f/4.5-32 Lens** (601152)  
4 elements in 3 groups; reverse Tessar-type lens.  
**Item # PO4467.....253.50**

**44-70 17mm Tominon f/4-22 Lens** (601158)  
6 elements in 4 groups; macro lens.  
**Item # PO4470.....274.50**

### Groundlasses & Reflex Viewer

**44-50 Standard Groundglass** (601128)  
For use with model #44-48 pack film holder, model #550 4x5 pack film holder or model #545 4x5 sheet film holder.  
**Item # PO4450.....94.50**

**41-51 Aerial Image Focusing Screen** (601130)  
For use with model #44-48 pack film holder, model #550 4x5 pack film holder or model #545 4x5 sheet film holder.  
**Item # PO4451.....94.50**

**44-54 Special Calibrated Groundglass** (601140)  
For use with model #44-48 pack film holder, model #550 4x5 pack film holder or model #545 4x5 sheet film holder.  
**Item # PO4454.....94.50**

**44-55 Reflex Viewer and Hood** (601136) For on-column use.  
**Item # PO4455.....189.95**

# POLAROID

## INSTANT-CAMERA COPY KITS, CLOSE-UP CAMERAS

### Baseboards

#### MP4+ Standard Baseboard (615307)

Includes attached wiring system, storage drawer, leveling feet and 18% gray laminated surface. Exterior dimensions: 22.3 x 28 x 6.5" (57 x 71 x 17cm). Work area: 18x23" (46 x 59cm). 34 lbs. (15.4kg).

Item # **POBBSMP4P** .....**409.95**

#### MP4+ XLR Baseboard (615306)

The MP4+ XLR Baseboard's exterior dimensions are 27.5 x 34.5 x 7.5" (70 x 88 x 19cm). The work area is 23x29" (58 x 74cm). Weighs 48 lbs. (21.8kg).

Item # **POBBXLRMP4P** .....**571.95**

### Assorted Accessories

#### 44-48 Polaroid Pack 3 1/4 x 4 1/4" Film Holder (608911)

Item # **PO4448Q** .....**149.95**

#### 44-61 Special Self-Cocking Copal Shutter (616365)

B and 1 second to 1/25 second with built-in X-sync and previewing position; includes microscope baffle tube.

Item # **PO4461** .....**224.95**

#### 44-81 MP-4 Tripod Adapter (601172)

Weight: 3.1 lbs (1.4kg)

Item # **PO4481** .....**116.50**

#### 44-85 MP-4 Universal Camera Mount (601174)

For 35mm cameras. Weight: 1.7 lbs. (779g)

Item # **PO4485** .....**122.95**

#### 44-88 MP4+ Filter Kit (601176)

Includes three basic filters for use with Polacolor film and MP-4 lights. 3" square filter holder accepts all 3" (8cm) square gelatin filters.

Item # **PO4488** .....**92.95**

#### MP4+ Electrophoresis Filter Kit (616364)

Includes three contrast-building filters and ring adapter for the most common electrophoresis stains. Filters will fit 135mm, 105mm and 75mm lenses. Filters are orange #15, yellow #8, green #58.

Item # **POFKEMP4P** .....**57.50**

#### Development Timer (615312)

Designed with an adhesive back for use on any Polaroid System.

Item # **POTD** .....**21.95**

### CU-5 CLOSE-UP CAMERAS

*The Polaroid CU-5 system lets you make instant close-up pictures right in your own laboratory, office or in the field without a dark-room. Because of its unique design, you don't have to worry about lighting, focus, exposure setting or field size. All of the critical elements of close-up photography are predetermined for you. Simply position the camera over your subject and take the picture. The CU-5 is lightweight, compact and easily manipulated with one hand, so it can be held in a variety of positions for hard to get shots.*



#### CU-5 Pack System (617567)

Includes model #88-1 camera body, 3" lens and AC/DC power supply. Its dimensions are 10.6 x 15.3 x 17.6" (27 x 39 x 45cm) W.H.D. Weighs 10.5 lbs. (4.8kg).

Item # **POCU5PK** .....**939.95**

#### CU-5 4x5" System (617563)

Includes model #88-45 4x5" camera body, 3" lens and AC/DC power supply. Dimensions are 10.6 x 15.3 x 16.6" (27 x 39 x 45cm) W.H.D. Weighs 10.7 lbs. (4.9kg).

Item # **POCU545K** .....**932.95**

### Frame Attachments

#### 88-11 CU-5 Frame (600818)

Frame attachment component for use with 3" lens model #88-3 and Pack Film Body model #88-1, for 1:1 magnification.

Item # **PO8811** .....**76.50**

#### 88-21 CU-5 Frame (600830)

Frame attachment component for use with 3" lens model #88-3 and Pack Film Body model #88-1, for 2:1 magnification.

Item # **PO8821** .....**76.50**

*Frame Attachments continued on next page*



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



# POLAROID/TESTRITE

## COPY KITS AND COPYSTANDS

### CU-5 CLOSE-UP CAMERAS, *continued*

#### Frame Attachments, *continued*

**88-31 CU-5 Frame** (600834)  
The 88-31 CU-5 Frame attachment component is for use with 3" lens model #88-3 and Pack Film Body model #88-1, for 3:1 magnification.  
**Item # PO8831.....76.50**

**88-7 Ratio Multiplier** (600810)  
Frame attachment component for use with 3" lens model #88-3 and Pack Film Body #88-1. One is needed to produce 2:1 pictures; two are needed to produce 3:1 pictures.  
**Item # PO887 .....125.95**

**88-36 CU-5 Dental Kit** (603569)  
The 88-36 CU-5 Dental Kit is for 1:1 and 2:1 intra-oral pictures. 2:1 magnification requires one #88-7 Ratio Multiplier.  
**Item # PO8836 .....242.50**

#### Film Body Components

**CU-5 Film Camera Body** (600804)  
**Item # PO881.....243.50**

**88-3 3" Lens/Shutter** (600806)  
75mm f/4.5 with built-in electronic ring flash tube.  
**Item # PO883.....388.50**

**CU-5 4x5 Film Camera Body** (604993)  
**Item # PO8845.....204.50**

**88-5 5" Lens/Shutter** (600808)  
127mm f/4.7 with built-in electronic ring flash tube.  
**Item # PO885.....388.50**

#### Miscellaneous

**88-20 AC/DC Portable Power Supply** (604291)  
**Item # PO8820.....373.95**

## TESTRITE Copystands

*These economical copystands are particularly suitable for students, amateurs and pro operators that wish to add copying capabilities. All cameras from 35mm to 4x5 will fit. Also ideal for polaroids and video use.*

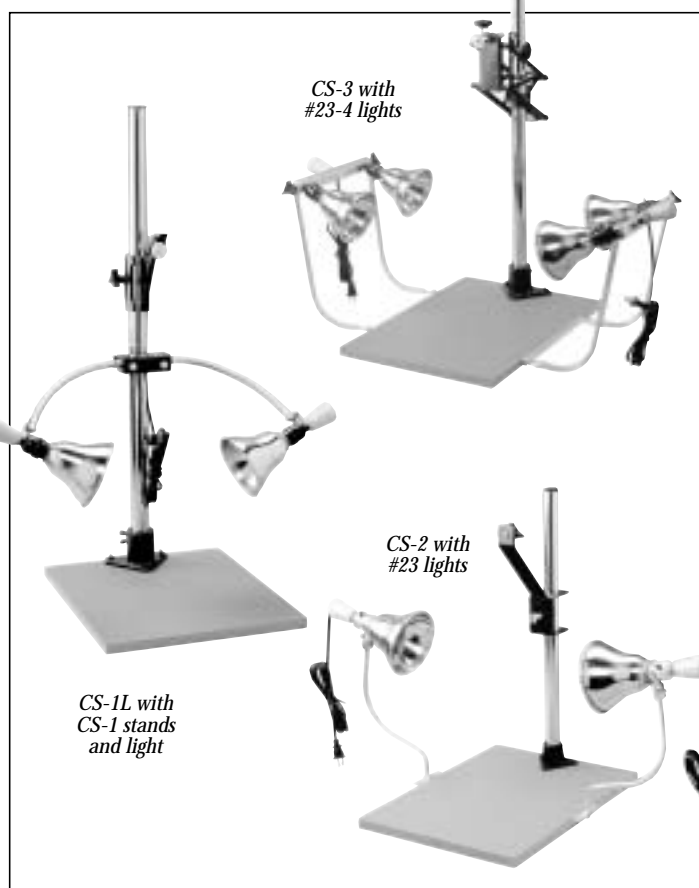
#### Copystands

**Copystand (CS-1)**  
The basic model. Handles small 35mm still cameras and Camcorders. Comes with 14x19" (36x48cm) baseboard and 23" (58cm) steel column; lights additional.  
**Item # TECS1 .....45.95**

**Copystand With Lights (CS-1L)**  
Same as CS-1 with a 2-light unit which includes cord sets, sockets, swivels, aluminum reflectors and wood control knobs.  
**Item # TECS1L .....69.95**

**Copystand (CS-2)**  
Sturdy model features 2 interlocking 19" (48cm) posts which reach 38" (96cm) altogether. Sliding arm moves smoothly through entire length of dual post.  
**Item # TECS2 .....57.95**

**Copy Outfit (CS-2/23C)**  
Model CS-2, described above, packed with 23C copy lights.  
**Item # TECS223C .....103.95**



# TESTRITE

## COPY STANDS

### Copystand (CS-3)

Features two interlocking 1.5" (4cm) diameter, 19" (48cm)-long posts which reach 38" (96cm) altogether. Camera bracket permits centering of camera over original. Post locking feature allows travel of arm up and down entire length of posts.

**Item # TECS3.....79.95**

### Copy Outfit (CS-3/2344)

Model CS-3, described above, packed with 23-4 copy lights.

**Item # TECS32344.....135.95**

### Copystand (CS-4)

Features heavy-duty, rigid parallel construction, 3" (7cm) longer than CS3 arm, 2 interlocking 1.5" (4cm) diameter 19" (48cm) long posts which reach 38" (96cm) altogether. Post locking feature allows travel of arm up and down entire length of posts. Extra-long camera bracket with large lock-up washer permits easy centering over work. Accommodates all copy lights.

**Item # TECS4.....102.95**

### Copystand (CS-5)

Especially designed for schools, hospitals and pro photographers who require a sturdy, heavy duty copier. Features include: one-piece 2" (5cm)-diameter 34" (86cm)-long chrome plated steel post; a sturdy 20x30" (51x76cm) baseboard that can accommodate 16x20" (41x51cm) originals horizontally or vertically; a counterbalance spring that easily supports heavy 4x5 cameras; heavy-duty sliding arm that moves easily up and down post; extra large 6" (15cm) long camera rod which permits centering over original; sturdy struts from baseboard to top of counterbalance that eliminate vibrations. Will accommodate all copy lights.

**Item # TECS5.....166.95**

### Super Adjustable Copystand (CS-6)

Extremely versatile stand offers adjustable copy rod that holds the camera and can be brought forward up to 4" (10cm). Large 15.8x18.8 (40x48cm) baseboard. Aluminum sliding arms, chrome finish, posts 26" (66cm) high.

**Item # TECS6.....62.95**

### Mini Copystand (CS-7)

Portable all-aluminum and steel unit features angled legs that can be easily disassembled for storage or travel. 18" steel post holds camera rod that can be set horizontally for copying or vertically for use as a table-top stand. Unit can be placed on glass and shot through for special effects. 23c or 23P copy lights are suitable for this model.

**Item # TECS7.....39.95**

### Pro Copystand & Lights (CS-8P)

Pro features distinguish this copystand. 17.5x18" (44cm) Metal base has built-in borderless easel. Spring loaded parallelogram arm, extendible camera rod, two-piece chrome post that rises 38" (97cm) are included. Stand comes with copy light with 2 Aluminum reflectors for previews and 2 sockets to accommodate electronic flash units. Additional flash sockets available for large copywork.

**Item # TECS8.....209.95**

### Copystage (CS1417)

Makes special effects and backlighting possible. Fits all copystands with square or round posts from .5 to 1.5" (1-17cm) diameters. Acrylic translucent 14x17" (36x43cm) top, black aluminum frame. Ideal for macro work, specimen photos, copying slides or graphics.

**Item # TECS1417.....62.95**

### COPYSTAND (TOTAL SYSTEM) SPECIFICATIONS

DESCRIPTION	ITEM#	COLUMN HEIGHT	BASEBOARD	OVERALL DIMENSIONS	WEIGHT
CS-1 Copystand	TECS1	27" (69cm)	14 x 19" (38 x 48cm) WD	19.5 x 14.5 x 3.5" (50 x 37 x 9cm) WDH	10lbs. (4.5kg)
CS-1L Copystand w/Lights	TECS1L	27" (69cm)	14 x 19" (38 x 48cm) WD	19.3 x 14.5 x 5.5" (49 x 37 x 14cm) WDH	11 lbs. (5kg)
CS-2 Copystand	TECS2	37" (94cm)	16 x 19" (41 x 48cm) WD	19.8 x 16 x 5.3" (50 x 41 x 13cm) WDH	12 lbs. (5.4kg)
CS-2 w/23C Lights	TECS223C	37" (94cm)	16 x 19" (41 x 48cm) WD	19 x 16.3 x 7" (48 x 41 x 18cm) WDH	17lbs. (7.7kg)
CS-3 Copystand	TECS3	38" (97cm))	16 x 22" (41 x 56cm) WD	23 x 16.5 x 6" (58 x 42 x 15cm)WDH	16 lbs. (7.3kg)
CS-3/234 Copy Outfit	TECS2344	38" (97CM)	16 x 22" (41 x 56cm) WD	24 x 16.5 x 6" (61 x 42 x 15cm) WDH	22 lbs. (10kg)
CS-4 Copystand	TECS4	38" (97CM)	16 x 22" (41 x 56cm) WD	24 x 19.3 x 7" (61 x 49 x 18cm) WDH	21 Lbs. (9.5kg)
CS-5 Copystand	TECS5	34" (86CM)	20 x 30" (51 x 76cm) WD	34.5 x 16 x 5.3" (88 x 41 x 13cm) WDH	29 lbs. (13kg)
CS-6 Copystand	TECS6	26" (66CM)	15.8 x 18.8" 40 x 48cm) WD	19.8 x 16 x 5.3" (50 x 41 x 13cm) WDH	12 lbs. (5.4kg)
CS-7 Mini Copystand	TECS7	18" (46cm)	—	23.3 x 4.8 x 3" (59 x 12 x 8cm)	3 lbs. (1.4kg)
CS-8 Copystand	TECS8	38" (97cm)	17.5 x 18" (44 x 46cm) WD	32.5 x 20 x 7.3" (83 x 51 x 18cm) WDH	26 lbs. (11.8kg)
CS-9 Copystand	TECS9	36" (91cm)	20 x 30" (51 x 76cm) WD	34.5 x 20.3 x 7" (88 x 52 x 18cm) WDH	30 lbs. (13.6kg)

*Subject to change without notice*

# TESTRITE

## COPY STANDS

### Copystands, continued

#### Heavy Duty Stand (CS-9)

36" (91cm) post includes inch and centimeter scales. Heavy-duty sliding counterbalanced arm offers unique squareness adjustment. Wood baseboard offers 20x30" (51x76cm) workspace with grayscale covering for even illumination verification over the entire board. Camera rod and lock-up knob extends to 3" (8cm). Height can be adjusted from 7.5-36.5" (18 x 93cm).

**Item # TECS9 .....119.95**

### Copy Lights

#### Copy Lights Only (CS50CL)

Extremely adjustable in all directions. Features ceramic sockets that accept all standard screw-base bulbs, up to 250 watts. Can be adjusted for 3-dimensional or flat objects. Can be used with CS-9, CS-5 and CS-4 copystands.

**Item # TECL50 .....79.95**

#### Copy Lights (CL23-C)

Designed to fit in any post from .5-1.5" (1-4cm). Clamp arrangement makes it simple to raise and lower light on post. Features 2 12" (30cm) chrome-plated flexible arms, sockets with individual on-off switches and bell-shaped metal reflectors. Weighs 4.5 lbs. (2kg).

**Item # TECL23C .....44.95**

#### Copy Lights (CL23-P)

Similar to model 23-C, but with porcelain sockets to accommodate high-wattage reflector type bulbs. Weighs 4 lbs. (1.8kg).

**Item # TECL23P .....43.95**

#### Copy Lights (CL23-44)

4 lights provide even illumination of large originals. 4 aluminum reflectors included. Weight: 6 lbs. (2.7kg).

**Item # TECL2344 .....59.95**

#### Photo & Copy Lights (CL45)

Designed for studio and copy work. Adjustable. Attaches to any wood baseboard. 4 aluminum reflectors included. Weight: 10 lbs. (4.5kg).

**Item # TECL45 .....79.95**

#### Copystage (CS1417)

Weighs 6 lbs. (2.7kg).

**Item # TECS1417 .....62.95**

#### 5' (13cm) Copy Light Reflector (BRI)

**Item # TER5 .....7.95**

### Copy Accessories

#### Daylight Color Copy Lights

(CLCDL)

Eliminates hot incandescent bulbs; 5500° Kelvin color temperature is balanced to many standard color slide and negative films. Complete unit includes arms and 2 18" (46cm) bulbs, suitable for copying originals up to 11x14". Attaches to any wood baseboard. 12 lbs. (5.4kg).

**Item # TECLCDL .....134.95**

#### Bulb for Daylight Color Copy Lights (CDLRL)

**Item # TELCLCDL .....19.95**

#### 2-Light Unit Copy Lights (CL352)

Accommodates standard bulbs, not included. Fits any copystand with post up to 1.5" (4cm) diameter. Easy-to-adjust black-finished 4" (10cm) diameter reflectors. Weight: 4 lbs. (1.8kg).

**Item # TECL352 .....41.95**

#### 4-Light Unit Copy Lights (CL354)

Accommodates standard bulbs. Fits any copystand with post up to 1.5" (4cm) diameter. Easy-to-adjust black-finished 4" (10cm) diameter reflectors. 4 light units for even lighting of larger originals. 5 lbs. (2.2kg).

**Item # TECL354 .....83.95**

#### Single Copy Light (CL35)

**Item # TECL35 .....19.95**

## MISCELLANEOUS COPY EQUIPMENT

### Visual Glare-Stop Polarizing Filters

Glare is the natural enemy of every photographer. The VP Glare-Stop Filter stops glare where it starts — at the light. Exposure guess-work and expensive "bracketing" are eliminated because your meter readings give you the correct f-stop immediately.

#### 3x3" Unmounted Polarizer Filter (GS-3U)

**Item # VIP33U .....7.95**

#### 6x6" Unmounted Polarizer Filter (GS-6U)

**Item # VIP66U .....12.50**

#### 8x8" Unmounted Polarizer Filter (GS-8U)

**Item # VIP88U .....33.95**

#### 12x12" Unmounted

Polarizer Filter (GS-1212U)

**Item # VIP1212U .....44.95**

#### 18x18" Unmounted Polarizer Filter (GS-18U)

**Item # VIP1818U .....66.95**

#### 19x5 ft. Roll (GS-5R)

**Item # VIP195 .....193.50**

#### 19x10 ft. Roll (GS-10R)

**Item # VIP1910 .....369.95**

### Mounted Polarizers

Mounted in 2" frames for easy handling.

#### 8x8" Filter (GS-8)

6 x 6 polarizing area.

**Item # VIP88M .....44.95**

#### 12x12" Filter (GS-12)

12 x 12 polarizing area.

**Item # VIP1212M .....54.95**

#### 18 x 18" Filter (GS-18)

18 x 18 polarizing area.

**Item # VIP1818M .....77.50**

# WESS PLASTIC

## COPY ACCESSORIES

*Wess Plastic's Special Effects Devices take the guesswork out of duping and copying slides for high-end multi-projector, multi-media presentations. Designed to hold original 35mm chromes in place in perfect register with overlays and masks, Wess devices handle critical alignment with aplomb and will not hinder your creativity. Used in conjunction with their extensive line-up of masks, Wess Special Effects devices can turn your originals into smashing presentations.*

### The Wess Holder & Accessories

#### The Wess Holder (SE7200)

Accurately positions original 35mm mounted slides for precise alignment. Helpful in creating title slides, combination images or other special effects using multiple exposures and exact positioning of film, masks and mattes. Contact printing in register is also possible by placing a strip of unexposed copy film emulsion down over the original on the pegs or pins with the solid pressure plate (included) locked in place. May be fitted on 2.3x2.3" (6x6cm) and smaller light sources or the Wess Director/Mini-Director. Dimensions: 3.5x4.5" (9x11cm).

Item # WEH .....47.95

46mm Glass Film Carrier,  
Pin Registered (RA7233)  
(Replacement.)  
Item # WEFCPRG46H.....14.95

46mm Glass Pressure Plate  
(RA7218) (Replacement.)  
Item # WEPPG46H.....6.95

46mm Solid  
Pressure Plate (RA7231)  
(Replacement.)  
Item # WEPPS46H.....2.95

Holder Base (RA7200)  
(Replacement.)  
Item # WEHB.....9.95

35mm Anti-Newton Glass Film  
Carrier, Peg Registered (RA7235)  
(Replacement.)  
Item # WEFCPR.....6.95

35mm Anti-Newton  
Glass Film Carrier,  
VR Pin (RA7240)  
(Replacement.)  
Item # WEFCVRANG35H..6.95

35mm Anti-Newton  
Glass Film Carrier,  
Non-Registered (RA7245)  
(Replacement.)  
Item # WEFCANG35H....6.95

35mm Glassless Film Carrier,  
Peg Registered (RP7250)  
(Replacement.)  
Item # WEFCPRGL35H.....2.95

35mm Glassless Film Carrier,  
VR Pin (RP7255)  
(Replacement.)  
Item # WEFCVRGL35H .....2.95

35mm Glassless Film Carrier,  
Non-Registered (RP7260)  
(Replacement.)  
Item # WERP7260.....2.95

35mm Glass Pressure  
Plate (RA7220)  
(Replacement.)  
Item # WEPPG35H.....6.95

35mm Glassless Pressure  
Plate (RP7225)  
(Replacement.)  
Item # WEPPGL35H.....2.95

35mm Solid Pressure  
Plate (RP7230)  
(Replacement.)  
Item # WEPPS35H.....2.95

Thumb Screw (RH2046)  
(Replacement.)  
Item # WETSH .....0.50

35mm A/N Glass,  
5-Pack (GEV003)  
Item # WEGAN35H .....4.50

35mm Plain Glass,  
5-Pack (GPV003)  
(Replacement.)  
Item # WEGP35H.....4.50

46mm Anti-Newton Glass,  
2-Pack (GED004)  
(Replacement.)  
Item # WEGAN46H .....3.95

46mm Plain Glass,  
2-pack (GPD004)  
(Replacement.)  
Item # WEGP46H.....3.95

Instructions for  
The Holder (LIC018)  
Item # WEIBH.....1.95

### The Wess Glower & Accessories

#### The Wess Glower (SE7650)

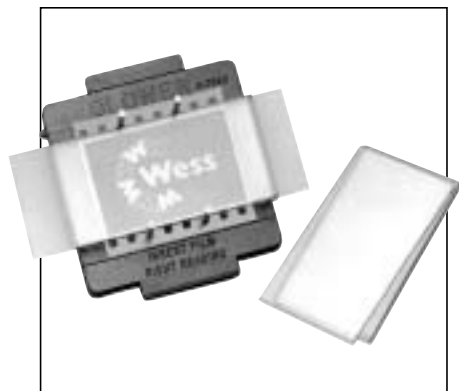
Special-effects 35mm copystage for use with the Wess Holder or Composer. It produces a glow effect for hard-edged subject matter that looks great on solid black or dark colored backgrounds. Four extra-tall pins hold images in registration, while glass spacers are used to create sandwiches with a diffusion sheet which gives off a "glow" effect. Masks and color gels can be sandwiched in varying (but repeatable) distances from the 35mm image. By varying these elements, you can create glows, auras, neon or other effects. And the results are repeatable at 1:1 magnification using only 35mm films. Dimensions: 6 x 4 x 3" (15 x 10 x 8cm) W.D.H.

Item # WEG .....57.00

Glower Diffusion Sheets,  
Set of 3 (PXH216)  
(Replacement.)  
Item # WEDSG.....3.95

Glower Glass  
Kit (GXX007)  
(Replacement.)  
Item # WEGKG .....9.95

Instructions for The Glower  
(LIC022)  
(Replacement.)  
Item # WEIBG.....3.95



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770  
1 • 8 0 0 • 9 4 7 • 6 6 5 0

# WESS PLASTIC

## COPY ACCESSORIES

### The Wess Composer and Accessories

#### The Wess Composer (SE7300)

An accessory for 35mm slide duplicating units that permits cropping and combining of images. When used with a camera that offers multi-exposure capabilities, the Composer will combine portions of images or produce progressive disclosure slides, multi-colored titles or combine portions of two separate images.

Key features include: ability to crop any part of a 35mm image to square or rectangular proportions using four adjustable cropping blades and formatting spacers; combining portions of several images, divided by hard black lines; accurate positioning of film chips for copying or duplication using pin or VR-registration and the

ability to adapt to most light sources and the Wess Director.

The composer is supplied with two bases. One may be mounted on a viewing box to preadjust the cropping blades; the second is fixed to the light source. A set of six mounted gels, which fit into the base, are provided for quick color changes. The base may also be used without the slider assembly to accurately position Wess slide mounts on the duplication unit. Fits to 2.3x2.3 (6 x 6cm) and smaller light sources or the Wess Director and Mini-Director compound tables. Adapter plates for larger light sources are available. Dimensions are 6.5 x 7" (17 x 18cm) with blades extended. It weighs 1 lb. (.5kg).

<b>Composer Base</b> (RA7305) (Replacement.) <b>Item # WECB.....14.95</b>	<b>Format Spacers 6-Pack</b> (SE7305) (Replacement.) <b>Item # WEFSS.....4.95</b>
<b>Slider Assembly</b> (RA7310) (Replacement.) <b>Item # WESAC .....84.50</b>	<b>Composer Anti-Newton Glass Pressure Plate</b> (RA7330) (Replacement.) <b>Item # WEPFANGC .....6.95</b>

<b>Item # WECQ.....122.95</b>	<b>Six 46mm Filters</b> (SE7310) (Replacement.) <b>Item # WEFS46C.....19.95</b>
<b>Composer Plain Glass for Pressure Frame 5-Pack</b> (GPV003) (Replacement.) <b>Item # WEGPPFC .....4.50</b>	<b>Instructions for The Composer</b> (LIC020) (Replacement.) <b>Item # WEIBC .....3.95</b>
<b>Solid Pressure Frame Assembly</b> (RA7335) (Replacement.) <b>Item # WESPFAC.....2.95</b>	

### The Wess Splitter and Accessories



For producing precise multi-projector panorama presentations. Until now, a pin-registered camera, copystand, compound table and much experience were needed to produce accurate butt or overlap panoramas. The Wess Splitter, in combination with a simple color enlarger, can provide the same results with greater speed, less aggravation and at a lower cost.

A Panorama is a single image with a larger-than-normal (3:2) aspect ratio. To achieve brighter illumination on a large screen, an image may be divided into several slide segments, each requiring a separate projector. The segments are precisely reassembled on screen to form the complete image. A 2-screen image offers a 3:1 aspect ratio and requires a projector when the image needs a smooth overlap. The Splitter makes accomplishing this with precision easy. 2 or 3-screen overlapping formats or 2, 3, 4 or 6 screen butt panoramas can be made with the Splitter, depending on which version you purchase.

#### Splitter with 50+% Overlap (SE6000)

Produces 50+% butt-joined and overlapping formats. Extra overlap is used to compensate for projection lens distortions, which can be particularly noticeable in butt-joined panoramas. Special alignment slides – which can be produced with the Splitter, are required. The SE6000 is used with Wess 35mm 002 aperture SP peg slide mounts. The dimensions are 9.3 x 13.5" (24x34cm). Weighs 3 lbs. (14kg).

**Item # WESSPP.....309.95**

<b>50% Standard Positioning Plate</b> (SE6094) <b>Item # WESPP50.....132.50</b>	<b>50% AMI Standard Positioning Plate</b> (SE6096) <b>Item # WEASPP50.....132.50</b>
<b>50% Overlap Positioning Plate</b> (SE6093) <b>Item # WEPP50.....132.50</b>	<b>25% Overlap Positioning Plate</b> (SE6095) <b>Item # WEPP25.....132.50</b>

#### Splitter Accessories

<b>Format/Focusing Plate</b> (SE6100) (Replacement.) <b>Item # WEFPS .....9.95</b>	<b>Blank-Center-Center Soft Edge Master</b> (SE6183) (Replacement.) <b>Item # WESEMSQ.....5.95</b>
<b>Winder for 35mm Back</b> (SE6110) (Replacement.) <b>Item # WEWS.....4.50</b>	<b>Splitter Alignment Master</b> (SE6200) (Replacement.) <b>Item # WEAMS.....1.95</b>
<b>Left-Center-Right Soft Edge Master</b> (SE6182) (Replacement.) <b>Item # WESEMS.....5.95</b>	<b>Instructions for Splitter</b> (LIC009) (Replacement.) <b>Item # WEIS .....4.95</b>

**Overnight Shipping Available**



# WESS PLASTIC

## COPY EQUIPMENT

### The Wess Duper & Accessories

For 1:1 contact printing on duplicating, print and high-contrast film. When exact 1:1 reproduction of a 35mm image is required, the Wess Duper is super. Wess has developed a simple, inexpensive 35mm contact printer that can handle in-register duplicate transparencies, high-contrast reversal masks, continuous-tone reversal prints, internegatives and contrast control masks. The Duper, in concert with your light source, will reduce cost and time while assuring consistent, accurate 1:1 reproductions. Features include: contact printing three frames at once; a 36-exposure roll will yield 8 sets of 3 frames; can be used with overhead or sub-stage light sources; quick duplication of soft-edge panoramas made on Wess Splitter; insertion of masks and diffusion materials allowed; optional contact frames may be interchanged on same base; non-skid bottom; may be used with anti-Newton glass, plain glass or glassless dupe inserts. Light source underneath should be at least 2x5" (5x13cm) in size. Color-balanced or filtered light source is required when duplicating in color.

**Duper for Peg-Registered Originals** (SE7150)  
With contact frame. Its dimensions are 9.3 x 13.5" (23 x 34cm).  
Weighs 4 lbs. (1.8kg).  
**Item # WED** ..... **75.95**

**Duper for Non-Registered Originals** (SE7151)  
With contact frame. Its dimensions are 9.3 x 13.5" (23 x 34cm).  
Weighs 4 lbs. (1.8kg).  
**Item # WEDNRO** ..... **74.95**

**Duper for Peg-Registered Originals, Reduced Pitch Film** (SE7149)  
With contact frame. Dimensions are 9.3 x 13.5" (23 x 34cm).  
**Item # WEDFRORP** ..... **74.95**

**Peg-Registered Contact Frame** (SE7050)  
**Item # WEPRCF** ..... **48.95**

**Non-Registered Contact Frame** (SE7051)  
**Item # WENRCF** ..... **48.95**

**Peg Registered Contact Frame for Reduced Pitch** (SE7049)  
**Item # WEPRCFRP** ..... **48.95**

**Base for Duper** (SE7000)  
(Replacement.)  
**Item # WEB** ..... **32.95**

**Winder for 35mm Back** (SE6110)  
(Replacement.)  
**Item # WEW** ..... **4.50**

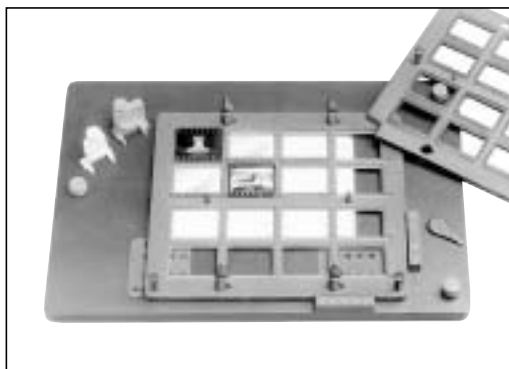
**Kodak 135 Film Back** (SE6600)  
(Replacement.)  
**Item # WEFM** ..... **13.50**

**Glassless Dupe Inserts** (SE7010)  
(Replacement.)  
**Item # WEGDI** ..... **1.50**

**Plain Glass** (GBX002)  
(Replacement.)  
**Item # WEPG** ..... **2.95**

**Instructions for Duper** (LIC017)  
(Replacement.)  
**Item # WEIBD** ..... **2.95**

### The Wess Grouper & Accessories



**The Wess Grouper** (SE800)  
Allows 4, 9 or 16 images to be copied onto one 35mm slide when you have a camera with multiple-exposure capacity. Align the unit under your copy camera, over a light source measuring at least 4 x 6" (10 x 15cm). Place the 35mm film chips in their assigned spots on the Grouper's grid (originals must be either pin- or VR-registered), place light traps over the individual frames and turn off the lights. The light trap over frame A1 is removed, the exposure made, the trap is returned. The plate is moved to the next position, A2 is exposed and so on. By moving the mounting plate in predetermined increments, the border between frames is compressed to a thin black line. A final composite transparency is created. No compound table or calculations are required. Time-consuming paste-ups are eliminated, and a variety of formats can be accommodated. A line-up focusing plate eliminates any guesswork. Dimensions are 9.3 x 13.5" (24 x 34cm). Weighs 4.2 lbs. (1.9kg)  
**Item # WEGQ** ..... **349.95**

**Grouper Worksheets** (LFC002)  
(Replacement.)  
**Item # WEGWS** ..... **8.95**

**Grouper Mounting Aperture Plate** (SE8005)  
(Replacement.)  
**Item # WEGMAP** ..... **202.50**

**20 Grouper Covers** (SE8012)  
(Replacement.)  
**Item # WEGCQ** ..... **8.50**

**35mm VR Hand Punch** (TR2034)  
(Replacement.)  
**Item # WEHP** ..... **39.95**

**20 Pre-Registered Inserts** (SE8010)  
(Replacement.)  
**Item # WEPRI** ..... **5.95**

**20 Anti-Newton Grouper Glass** (GET003)  
(Replacement.)  
**Item # WEANGG** ..... **12.95**

**Grouper Base** (RA8100)  
(Replacement.)  
**Item # WEGB** ..... **154.95**

**20 VR Pin-Registered Inserts** (SE8011)  
(Replacement.)  
**Item # WEVRPRI** ..... **5.95**

**Instruction Booklet for Grouper** (LIC015)  
(Replacement.)  
**Item # WEIBG2** ..... **4.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# WESS PLASTIC

## COPY EQUIPMENT

### The Wess Director

#### The Wess Director (SE9000)

Adds streaks, zoom effects, spins, step and repeat (vertical, horizontal and rotating). A compound table with X-Y and rotational movements, it is used with an optional light source and a copy camera to produce effects through stepped or continuous copy-stage motion. Handles images up to 2.8 x 2.8" (7 x 7cm) with 2.5" (64mm) linear movements. Can be set to 0.02mm using backlash-free lead screws. Dial scales can be reset to 0 at any position and adjustable stops are provided to limit linear movements. A rotating stage knob is calibrated in 1° increments and is accurately reset to 0 with a locking pin. Stage can be set for a free-float mode. Dimensions: 9 x 14" (23 x 36cm).  
**Item # WEDQ.....971.95**

#### Square Glass Exposure Plate (GPP005) (Replacement.)

**Item # WESGEP.....3.95**

#### Round Glass Cover Plate (GPP006) (Replacement.)

**Item # WERGCP.....7.95**

#### Clear T-Square (RP4006) (Replacement.)

**Item # WECTS.....2.95**

#### Zero Position Locating Pin (SE9011) (Replacement.)

**Item # WEZPLP.....4.50**

#### Plotting Pad (SE9012) (Replacement.)

**Item # WEPP.....0.50**

#### Instruction Booklet for Director (LIC021)

**Item # WEIBDQ.....4.95**

#### Plotting Stylus (SE9010) (Replacement.)

**Item # WEPS.....7.95**

### The Wess Mini-Director

#### The Wess Mini-Director (SE9050)

Designed for small to medium-sized light sources. Accepts film chips to 2.75" (7x7cm) and medium-format slide mounts and Wess copy stage accessories. Adjustable stops are provided to limit free-float linear movements. Rotating stage can be moved through 360° and is calibrated in 1° increments. A free-float mode is available. Dimensions are 7.25 x 7.5" (18x19cm). Weighs 6 lbs. (2.7kg).  
**Item # WEMD.....734.50**

#### 4x5" Light Expansion Box (SE9030)

Attaches directly to the top stage of Wess compound tables and SE7500, SE7510 and SE7515 adapters. It expands the light source to 4x5" (10x12cm). Supports the SE4500 Pin-Printer. Dimensions: 11.8 x 4.4 lbs. (30 x 11cm), weight 2 lbs. (0.9kg).  
**Item # WELEB45.....254.95**

#### Presentation Mount Holder (SE7530)

Attaches to the top of the SE9030 4x5" expansion box. Accepts Wess 10.5x8.5cm MF Presentation Mounts.  
**Item # WEPMH.....51.95**

#### WVR Pin Plate (SE9055)

Diffuser plate with 2 wide-based VR pins to register 65x7cm to 4x5" images punched with the TR2050 Multi Format VR Punch.  
**Item # WEWVRPP.....39.95**

#### 150mm Filter Holder (SE7615)

Fits on SE9030 and allows user to insert 6x6" (150x150mm) filters or masks. With 2 clear plastic filter carriers and flat diffusers. 10.8 x 8 x 2.3" (27 x 20 x 6cm).  
**Item # WEFH150.....174.95**

#### Square Glass Exposure Plate (GPP005) (Replacement.)

**Item # WESGEPQ.....3.95**

#### Round Glass Cover Plate (GPP006) (Replacement.)

**Item # WERGCPQ.....7.95**

#### Zero Position Locating Pin (SE9011) (Replacement.)

**Item # WEZPLPQ.....4.50**

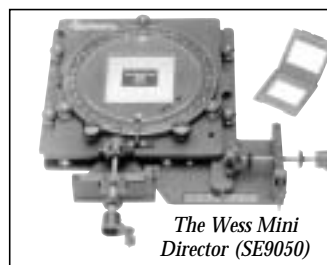
#### Instructions for Mini-Director (LIC040) (Replacement.)

**Item # WEIBMD.....2.95**

#### Instructions for SE9030 (LIC047) (Replacement.)

**Item # WEIBLEB45.....2.95**

### The Wess Pin-Printer



The Wess Mini Director (SE9050)

#### The Wess VR Pin-Printer (SR4500)

A pin-registration system for making soft-edge photographic masks on 4 x 5" (10x13cm) film. Essential for in-register contrast masking. Accepts 35mm to 4x5". Dimensions are 10.8 x 8 x 2.3" (27 x 20 x 6cm) W.D.H. Weighs 1.9 lbs. (0.9kg).  
**Item # WEVRPP.....409.95**

#### 35mm Format Masking Plate (SE4510)

Eliminates stray light and softens the original mask's image. Allows 2 images to be printed on single sheet.  
**Item # WEFMP35.....34.95**

#### 6x4.5cm Format Masking Plate (SE4511)

**Item # WEFMP645.....34.95**

#### 6x6cm Format Masking Plate (SE4512)

**Item # WEFMP66.....34.95**

#### 6x7cm Format Masking Plate (SE4513)

**Item # WEFMP67.....34.95**

#### 6x9cm Format Masking Plate (SE4514)

**Item # WEFMP69.....34.95**

#### Black Bottom Plate (SE4525)

Converts VR Pin-Printer to a pin-registered copystage or enlarger easel.  
**Item # WEBBP.....26.95**

#### Top Pressure Frame (SE4526)

**Item # WETPF.....74.95**

#### VR Multi-Format Punch (TR2050)

**Item # WEVRMFP.....166.50**

#### Glass Contact Printing Plate (GPP020) (Replacement.)

**Item # WEGCPP.....57.50**

#### Pin-Printer Contact Printing Frame (SE4502) (Replacement.)

**Item # WEPPCPF.....279.95**

#### 4x5" Format Masking Plate (SE4515) (Replacement.)

**Item # WEFMP45.....26.50**

#### VR Pin-Printer Instructions (LIC041) (Replacement.)

**Item # WEIBVRPP.....2.95**



# The Professional Photo SourceBook

## Section 14

### Bags & Cases

Aluminum Cases .....	548
Billingham .....	534-538
Beseler .....	539
Domke .....	540-548
F64 .....	549-551
Galen Rowell .....	552-553
Lightware .....	554-561
Lowepro .....	562-570
Photoflex .....	570
Porter .....	571
Projector Cases .....	595
Tamrac .....	572-573
Tenba .....	574-588
Tundra .....	588
Zero-Halliburton .....	589-590
Doskocil (Waterproof) .....	596
Pelican (Waterproof) ....	591-592
Tundra (Waterproof) ....	594-595
Carts .....	596-597
Passport & I.D. Cameras ...	598-599
Flashlights .....	600

# BILLINGHAM

## BAGS

*From the country that has brought us Rolls Royce comes Billingham, the world's finest camera bags.*

*The Billingham bag is recognized by uncompromising professionals and amateur photographers throughout the world as the ultimate blending of function and style. Designed and individually handcrafted in England of materials specially selected and developed for strength and look, each camera bag is numbered and personally checked to ensure Billingham's strict requirements.*

*Designed for the needs of the travelling photographer, Billingham bags are much taller than other camera bags, thus providing a higher level of security. and accommodating a greater variety of equipment.*

*Ideal for the outdoor photographer, the Billingham Bag is completely waterproof and rust-proof at all metal points. Billingham chooses from specially made materials, including 100% cotton canvas and the unique Billingham canvas, which is polyester/cotton mix, blended in order to better retain the bag's shape. A new type of waterproof layer allows thinner, and consequently, lighter coatings, resulting in lighter weight bags and a higher resistance to sunlight.*

*If you choose a Nytex bag, you will find it incredibly hard-wearing. Nytex is a texturized nylon material, waterproofed with polyurethane. Whether choosing canvas or nylon, the waterproof layer is built-in and will never need reproofing.*

*Considerable attention is paid to detail. The richness of natural grain leather - vegetable tanned, stained and polished by hand - retains its beauty from season to season. The leather process used to treat hides is designed to bring out the richness of the natural grain and is in no way intended to hide marks or healed scars which appear naturally. Only the best, topmost part of the hide known as top-grain is selected. Splits, a weaker layer of leather, is not used in any Billingham products.*

*From the specially treated linings, shock-absorbing insulating foam, leather reinforced corners and solid brass anti-rust fittings to the specially designed nylon coil zippers (woven into the tape rather than sewn into it), waterproof designed seams, Superflex partitions and griping, and non-slip shoulder pads, you are assured of a high degree of quality which translates into a high degree of protection for your valued equipment. Additional features include the Billingham Delta Stabilized Sling fixing to keep the bag at the correct angle to your body when working, and the Double Grab Handle System, allowing you to pick your bag up in a hurry, even when the main flap is open.*



Classic  
445

Classic  
335





#### Photo Hadley Canvas Bags

These compact bags hold vast amounts of photographic gear. The padded detachable interior with fixed or adjustable partitioning can

be used without the photo interior. Dated main flap gives excellent rain protection. Two double-bellowed front pockets have press studied expansions. Quick-release front straps have buckle adjustment and strap retainers. Fully adjustable shoulder sling.



**Hadley Photo Bag Black** (502-701)  
Outside dimensions  
10.8x14x4.9" (28x36x13cm)  
HLW; inside dimensions  
10.4x13.6x4.5" (27x35x12cm)  
HLW; weight 1.8 lbs. (.8kg).  
**Item # BIHPB .....139.95**

**Hadley Photo Bag Khaki** (502-733)  
Same as above, in Khaki color.  
**Item # BIHPK .....139.95**

**Hadley Photo Bag Olive** (502-747)  
Same as above, in Olive color.  
**Item # BIHPO .....139.95**

**Leather Shoulder Pad**  
**SP-15** (521-270)  
**Item # BISP15 .....25.00**

**Hadley Photo Insert** (520-070)  
Replacement.  
**Item # BIIHPQ .....39.00**

**Hadley Front Straps** (528-070)  
Replacement.  
**Item # BISH .....15.00**

#### Alice Canvas Bag



The Alice Canvas Bags are designed to accommodate a small SLR outfit consisting of one body, two or three lenses and a flash. Constructed of lightweight canvas, this bag guarantees protection from the elements. The interior compartment has

fully adjustable padded partitions and is made of antifrayer fabric to eliminate stray fibers and dust. Pockets on either side of the main compartments can hold film, filters and other small necessities. Outside dimensions are 11 x 6.25 x 9" (28.25 x 16 x 23cm) LHW. Internal dimensions are 9.75 x 4 x 7" (24.75 x 10 x 17.75cm) LHW. Front Dump Pockets are 9.75 x 1.375 x 7 (24.75 x 3.5 x 17.75cm) LHW.

**Alice Bag Black** (501-701)  
**Item # BIAB .....154.95**

**Alice Bag Khaki** (501-733)  
**Item # BIAK .....154.95**

#### Series 3 Bags

Get a high degree of protection for small camera systems. The inside partitioning system is fully adjustable with touch and close fastenings. Included are three vertical dividers and a horizontal flap. Six-millimeter closed-cell foam provides protection on the sides, with 25mm on the base to protect against heavy handed put-downs and travel vibration. Top grain leather and solid cast brass fittings; a zip pocket in the main flap; a fully adjustable shoulder sling; an open front and zip back pocket; and a zip closure Tuktop enables a photographer to have easy access to equipment while still giving excellent protection for equipment.

**Khaki Canvas Bag** (503-933)  
Outside dimensions  
7.6x11.4x4.1" (20x29x11cm) HLW;  
inside dimensions  
6.3x9.4x3.1" (16x24x8cm) HLW;  
weight 1.9 lbs (.89kg).  
**Item # BIS3K .....167.95**

**Black Nytex Bag** (504-001)  
Same as above,  
of black nytex material.  
**Item # BIS3NB .....159.95**

**Leather Shoulder Pad SP-15** (521-270)  
**Item # BISP15 .....25.00**

**Nylon Drawstring Bag** (524-447)  
An optional taped seam drawstring nylon bag in which the partitioning system can be enclosed, giving even further protection against water, sand and dust.  
**Item # BIBS3 .....29.00**



#### Photo Eventer Bag

The stylish and comfortable way to carry cameras and laptop computers. The internal partitioning of the Photo Eventer can be configured to carry both, with room left for accessories and files, etc. Features a quick-release front straps with retainer; a carrying handle; two bellowed front pockets with quick release flaps; a zippered back pocket (not visible); a leather covered base; a removable internal partitioning; and a main flap that can be folded completely out of the way.



**Photo Eventer Khaki** (504-533)  
Outside dimensions  
11x15.4x5.9" (28x39x15cm)  
HLW; inside dimensions  
9.8x13.8x4.7" (25x35x12cm)  
HLW; weight 3.5 lbs. (1.6kg).  
**Item # BIPEK .....299.00**

**Leather Shoulder Pad SP-20** (521-370)  
For Photo Eventer.  
**Item # BISP20 .....25.00**



# BILLINGHAM

## CLASSIC SERIES BAGS

*Main compartments have a single, straight zip, avoiding the stresses put upon zips which are forced around tight corners. Two zip pullers provide unrestricted access to the main compartment. When working in ideal conditions, the zip flap can be folded back to provide easy access. The sides and base are padded with Plastazone® closed-cell foam to absorb bumps and knocks. Designed to keep the contents of the bag dry, the leather bound main flap features twin leather tabs and quick release stud fastenings.*

*Double, web-grab-handles allow the bag to be picked up without the need to fasten the main flap when in a hurry. Wide adjustable web shoulder sling with delta stabilizer prevents tipping. Reinforced leather patching ensures the sling will not fail in use. Five loop triple purpose fittings will accept the optional Billingham Black Pack Harness or Tripod Straps. They can also be used to fasten the bags to a motorcycle frame, back pack, etc. Classic Series bags share the same features, with size being the only difference.*



Classic 445

### Classic 206 Bag

The 206 offers the best protection for a small camera outfit. It is designed taller than most bags to prevent people from seeing the equipment in your bag. It has a rain flap and is made from a soft canvas weave to protect your camera gear from the elements. As with all Billingham bags, the 206 offers a fully adjustable velcro interior and an all-leather non-slip shoulder pad. Two pockets in the front (and 2 pen pockets) hold film and small accessories. Outside dimensions: 13 x 11 x 7" (33 x 28 x 18cm) LHW. Inside dimensions: 10.6 x 7.9 x 6.3" (27 x 20 x 16cm) LHW. Outside Pocket: 3.9 x 7 x 2" (10 x 18 x 5.1cm) LHW. Weighs 3 lbs. (1.4kg)

#206 Canvas Bag Black (502-401)  
Item # **BI206B** .....**239.95**

### Classic 225 Bags

Classic 225 bags both come with #815 Superflex partitions, with flap and SP-15 shoulder pad.



#225 Black Canvas Bag (502-601)  
Outside dimensions: 9 x 12.6 x 8.7" (23 x 32 x 22cm) HLW.  
Inside dimensions: 7 x 12.6 x 5.9" (18 x 32 x 15cm) HLW.  
Weighs 3.3 lbs. (1.5kg).  
Item # **BI225B** .....**209.95**

#225 Khaki Canvas Bag (502-633)  
Same as above, in Khaki color.  
Item # **BI225K** .....**209.95**

#225 Olive Canvas Bag (502-647)  
Same as above, in Olive color.  
Item # **BI225O** .....**209.95**  
  
#225 Stone Nytex Bag (507-465)  
Same as above, of Nytex material in Stone color.  
Item # **BI225NS** .....**219.95**

### Classic 335 Canvas or Nytex Bags

Larger, versatile, all around popular mid-size travel bag. It has all the features of the #225 bag. #335 bags come with #815, #918 Superflex partitions, with flap and #SP-15 shoulder pad.

#335 Black Canvas Bag (503-001)  
Outside dimensions: 10 x 14.6 x 8.5" (26 x 37 x 22cm) HLW.  
Inside dimensions: 8.5 x 13.8 x 6.3" (22 x 35 x 16cm) HLW.  
Weighs 3.7 lbs. (1.7kg).  
Item # **BI335B** .....**249.95**

#335 Olive Canvas Bag (503-047)  
Same as above, in Olive.  
Item # **BI335O** .....**249.95**

#335 Stone Nytex Bag (507-565)  
Same as above, of Nytex material in Stone color.  
Item # **BI335NS** .....**249.95**

#335 Khaki Canvas Bag (503-033)  
Same as above, in Khaki color.  
Item # **BI335K** .....**249.95**

### Classic 445 Canvas or Nytex Bags

All the same features as the Classic 335, plus an extra-height travel bag for a large-type flashgun standing upright and a Superflex #915 and #918 (removable) partitioning and SP-20 shoulder pad.

#445 Black Canvas Bag (503-401)  
Outside dimensions: 12 x 17.1 x 8.5" (31x44x22cm) HLW.  
Inside dimensions: 10 x 16.3 x 6.3" (26x42x16cm) HLW.  
Weighs 4.6 lbs. (2.1kg).  
Item # **BI445B** .....**294.95**

#445 Khaki Canvas Bag (503-433)  
Same as above, in Khaki color.  
Item # **BI445K** .....**294.95**

#445 Olive Canvas Bag (503-447)  
Same as above, in Olive color.  
Item # **BI445O** .....**294.95**

#445 Stone Nytex Bag (507-665)  
Same as above, of Nytex material in Stone color.  
Item # **BI445NS** .....**299.95**

# BILLINGHAM

## BAGS AND POUCHES

### Series 5 Canvas or Nytex Bags

Having expansion in mind, these bags accept separate, easily-attached side pockets. Exceptional protection is provided by a design which can be supplemented with an optional waterproof drawstring bag. Same as Series 3 bags with a gusseted front pocket and a fully adjustable sling.

**Series 5 Khaki Canvas Bag** (504-133)  
Outside dimensions: 11.4 x 11.2 x 9.4" (29 x 29 x 24cm) HLW. Inside dimensions: 10.2 x 10.2 x 5.5" (26 x 26 x 14cm) HLW.  
**Item # BIS5K .....278.95**

**Series 5 Black Nytex Bag** (504-201)  
Same as above, of black Nytex material.  
**Item # BIS5NB .....278.95**

**End Pocket Khaki** (502-033)  
Outside dimensions: 9 x 6.1 x 2.9" (23 x 16 x 7.5cm). Inside dimensions: 8.7 x 5.7 x 2.4" (22 x 15 x 6cm). Weighs 9 oz. (260g).  
**Item # BIS5EPK .....49.00**

**Waterproof Drawstring Bag** (524-647)  
An optional taped-seam drawstring nylon bag in which the partitioning system can be enclosed, giving further protection against water, sand and dust.  
**Item # BIBS5 .....29.00**



### Simply Lens Pouch

Made of soft nylon, with a drawstring top and lightly padded leather base. The seven different sizes can be easily identified by their reference numbers (base diameter/height of the pouch (in. mm)).



**Simply 70/140 Lens Pouch** (528-747)  
Holds wide angle or standard 35mm lens.  
**Item # BILPS70140 .....20.00**

**Simply 80/170 Lens Pouch** (528-947)  
Holds 85mm, 135mm or autofocus 35-70mm lens.  
**Item # BILPS80170 .....20.00**

**Simply 90/195 Lens Pouch** (529-247)  
Holds 70-210mm zoom or larger autofocus lens.  
**Item # BILPS90195 .....20.00**

**Simply 130/170 Lens Pouch** (529-647)  
Holds 127 RB/RZ lens with hood.  
**Item # BILPS130170 .....25.00**

**Simply 100/160 Lens Pouch** (529-347)  
Holds Hasselblad, Bronica or Pentax 645 lens up to 150mm.  
**Item # BILPS100160 .....23.00**

**Simply 100/220 Lens Pouch** (529-447)  
Holds RB-RZ lens up to 250mm, Pentax 6x7, or larger medium format/large format lens.  
**Item # BILPS100220 .....23.00**

**Simply 100/270 Lens Pouch** (529-547)  
Holds large zoom lenses.  
**Item # BILPS100270 .....25.00**

### Camera Straps

**Black Camera Strap** (522-501)  
**Item # BICS15K .....35.00**

**Khaki Camera Strap** (522-533)  
Same as above, in Khaki color.  
**Item # BICS15B .....35.00**

### Stowaway Canvas Bags

A perfect companion on any journey with lots of securely-zippered pockets to keep small items, such as passports, keys and credit cards safely tucked away. Made of waterproof canvas and trimmed with top grain leather. Also features an adjustable shoulder sling; solid brass fittings; top grain leather binding, patch and straps; a padded main compartment with zip closure; four pockets — two with zip closures; and belt loops (not visible).

**Compact Stowaway Black** (500-501)  
Outside dimensions: 7.9 x 5.7 x 1.8" (20 x 15 x 5cm) HLW.  
**Item # BICB .....89.95**

**Compact Stowaway Khaki** (500-533)  
Same as above, in Khaki color.  
**Item # BICK .....89.95**

**Airline Stowaway Black** (500-601)  
Outside dimensions: 8.9 x 5.7 x 1.7" (23 x 15 x 5cm) HLW.  
**Item # BIALB .....94.95**

**Compact Stowaway Olive** (500-547)  
Same as above, in Olive color.  
**Item # BICO .....89.95**

**Airline Stowaway Khaki** (500-633)  
Same as above, in Khaki color.  
**Item # BIALK .....94.95**

**Airline Stowaway Olive** (500-647)  
Same as above, in Olive color.  
**Item # BIALO .....94.95**

**Pola Stowaway Black** (500-701)  
Outside dimensions: 7.9 x 7.3 x 2.8" (20 x 19 x 7cm) HLW.  
**Item # BIPB .....99.95**

**Pola Stowaway Khaki** (500-733)  
Same as above, in Khaki color.  
**Item # BIPK .....99.95**

**Pola Stowaway Olive** (500-747)  
Same as above, in Olive color.  
**Item # BIPO .....99.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770  
1 • 8 0 0 • 9 4 7 • 6 6 5 0

# BILLINGHAM

## VENTILE CLOTHING

*When only the best will do, Billingham offers Ventile Clothing made from microfibre material that is double spun for strength. During the weaving process, the threads are set up in a special compact arrangement making Ventile material wind and weatherproof, while maintaining the comfort and breathability associated with a natural fabric.*

*As the vests and jackets are quiet and rustle-free, they are essential articles of clothing for wildlife photographers and bird watchers.*



Photo Vest

Manufactured from two layers of Ventile cotton, the Photo Vest is comfortable to wear all year round, while keeping you and your camera equipment dry and moisture-free. The design of the vest helps to evenly spread the weight over the chest and shoulders for maximum comfort and ease-of-movement. The vest has 16 pockets, all in the front. Available in Navy and Khaki colors.

PHOTO VEST SIZES				
SIZE	SMALL	MEDIUM	LARGE	X-LARGE
To Fit Chest	36-38"	40-42"	44-46"	48-50"
Length	25" (64cm)	25" (64cm)	25" (64cm)	26" (66cm)

Small Navy (536104)  
Item # BIVSN.....**277.50**

Medium Navy (536204)  
Item # BIVMN.....**277.50**

Large Navy (536304)  
Item # BIVLN.....**277.50**

X-Large Navy (536404)  
Item # BIVXLN.....**277.50**

Small Khaki (536135)  
Item # BIVSK.....**277.50**

Medium Khaki (536235)  
Item # BIVMK.....**277.50**

Large Khaki (536335)  
Item # BIVLK.....**277.50**

X- Large Khaki (536435)  
Item # BIVXLK.....**277.50**

Harrier Long Length Jacket

HARRIER LONG LENGTH JACKET SIZES				
SIZE	SMALL	MEDIUM	LARGE	X-LARGE
To Fit Chest	36-38"	40-42"	44-46"	48-50"
Length	25" (64cm)	25" (64cm)	25" (64cm)	26" (66cm)
Mid Neck to End of Sleeve	36" (91cm)	37" (94cm)	38" (97cm)	39" (99cm)

Harrier Jacket Small (532135)  
Item # BIJHS.....**549.50**

Harrier Jacket Medium (532335)  
Item # BIJHM.....**549.50**

Harrier Jacket Large (532935)  
Item # BIJHL.....**549.50**

Harrier Jacket X-Large(533135)  
Item # BIJHXL.....**549.50**

Intended for use as an outer shell. The innovative design sports full cut sleeves to protect your hands. When they are not needed they can be folded back to allow unrestricted movement. The construction of the Harrier is similar to a jacket within a jacket. It features two triple layers of Ventile to protect the wearer from rain and cold, a hood incorporated into the jacket, and an air trap for more effective insulation. Cinnamon color with an olive lining.

Merlin Tornado

The Merlin Tornado is a double Ventile coat for all seasons, ideal for people who do not require a layered garment, but who want a tough stylish and lightweight coat. The Merlin features a detachable hood, toggle drawstrings at the waist, cuffs and hood, fleece lined external pockets with stormflap and inside zippered pockets. This jacket is available in cinnamon color with an olive lining, or burgundy with a bronze lining.

MERLIN TORNADO SIZES				
SIZE	SMALL	MEDIUM	LARGE	X-LARGE
To Fit Chest	36-38"	40-42"	44-46"	48-50"
Length	34" (86cm)	34.25" (87cm)	34.5" (88cm)	34.75" (88cm)
Mid Neck to End of Sleeve	34" (86cm)	35.5" (90cm)	37" (94cm)	37.5" (95cm)

Tornado Small Cinnamon (533735)  
Item # BIJTSC.....**687.50**

Tornado Med. Cinnamon (533935)  
Item # BIJTC.....**687.50**

Tornado Large Cinnamon (534135)  
Item # BIJTL.....**687.50**

Tornado X-Lrg. Cinnamon (534335)  
Item # BIJTSLC.....**687.50**

Tornado Small Burgundy (533713)  
Item # BIJTSBU.....**687.50**

Tornado Med. Burgundy (533913)  
Item # BIJTMBU.....**687.50**

Tornado Large Burgundy (534113)  
Item # BIJTLBU.....**687.50**

Tornado X-Lrg. Burgundy (534313)  
Item # BIJTSLBU.....**687.50**

*Created expressly for the outdoor photographer and for the photographer on the go, Lifestyle bags are individually hand-crafted from the finest materials. The outer shell of these exquisite bags is constructed from two layers of luxurious waterproof cotton canvas, interspersed with a middle layer of rubber. Select top-grain leather is used for all trim, accents and external bindings. The hardware is solid brass. All interior walls are thickly padded and lined with soft Velcro® which permits the positioning of the padded partitioning dividers to be infinitely adjusted*

*Additional features which are common to all models include: A Solid Bottom; 1" thick, reinforced, closed cell foam bottom platform: Strong Comfortable Web Straps with non-slip padding, attached to solid brass buckles.*

### Canteen Bag

A compact bag designed to store a 35mm SLR or rangefinder camera, binoculars, video camcorder or viewcam. It features a quick release leather front strap and a quick-lock inner rainflap. Interior dimensions are 8¾ x 4½ x 8¾" (22.2 x 11.4 x 22cm) WDH. Weighs 1.2 lbs. (540kg).

Canteen Bag Black (BB-300MB)  
Item # **BEBB300MB**.....**49.95**

Canteen Bag Green (BB-300HG)  
Item # **BEBB300GR**.....**49.95**

Canteen Bag Navy (BB-300NB)  
Item # **BEBB300N**.....**49.95**

### The World Traveler

A system bag designed to carry up to two SLR cameras, a laptop computer, video camcorder or viewcam system. It features a generous outer pocket that is capable of storing a brick of film for your big trips, lightmeter, flash, filters and accessories. The inner foam partitioning system is removable. The counterbalanced shoulder strap has an adjustable, nonslip, leather shoulder pad. Quick release leather straps allow easy access to the storage areas. A zippered back pocket stores papers and airline tickets. Two built-in carry handles permit comfortable transporting. This bag also accepts the optional #BB105 Back Pack Harness, which converts the bag to a comfortably balanced backpack. Interior dimensions are 15 x 6 x 9¾" (38.1 x 15.2 x 12.7cm) WDH, and its weight is 3.35 lbs. (1.5kg).

World Traveler Black (BB-500MB)  
Item # **BEBB500B**.....**112.50**

World Traveler Green (BB-500HG)  
Item # **BEBB500GR**.....**112.50**

World Traveler Navy (BB-500NB)  
Item # **BEBB500N**.....**112.50**

Backpack Harness System (BB-105)  
Item # **BEBB105**.....**53.95**

### Twenty-Four Hour Bag

A vertical shaped bag designed to store a 35mm SLR system with lenses, a lap top computer, video camcorder or viewcam. The inner foam capsule may be removed to convert the bag to a carry all for business and writing materials. It features a comfort curved web shoulder strap, quick release front straps, zippered back compartment and body width adjustment snaps. Interior dimensions are 15¾ x 5 x 10¾" (39 x 12.7 x 27.3cm) WDH, and its weight is 2.5 lbs. (1.2kg).

Twenty-Four Hour Bag Black (BB-400MB)  
Item # **BEBB400MB**.....**79.95**

Twenty-Four Hour Bag Green (BB-400HG)  
Item # **BEBB400GR**.....**79.95**

Twenty-Four Hour Bag Navy (BB-400NB)  
Item # **BEBB400N**.....**79.95**



# DOMKE

## BAGS

*Domke bags fit snugly around your gear and follow the shape of your body with hip-hugging steadiness. Their soft insides will not scratch equipment, and the non-abrasive exterior will not damage clothing. All bags are available in canvas, which keep rain and spray out. Canvas breathes, which prevents the temperature inside from getting hotter than outside and is important especially when carrying electronic gear. It has*

*“body” to hold its shape without space wasting foam. And lightweight canvas gives Domke Shooters Bags greater carrying capacity, because interior dimensions closely match exterior measurements. All canvas bags are available in black, sand and navy.*

*Some bags are also available in Emerald Edition, Leather Elite, and Ballistic Series. Emerald Edition bags feature rich hunter green canvas with genuine leather trim. Webbing and gripper shoulder straps are rust-colored cotton to compliment the leather, hardware is antique brass finished, and an embossed leather label completes the distinctive exterior. They have the same interior design and practical features as the all-canvas versions. The shoulder strap has two tracks of rubber woven into the thick, wide cotton strap. These “Gripper Straps” keep the Shooters Bag firmly and comfortably aboard. All Domke bags use spring steel fasteners for quick one-handed opening and closing without looking.*

*Leather Elite bags are available in fine black leather with deep black powdercoat hardware.*

*Ballistic Series bags are available in super-tough, highly water-resistant, 1050 denier ballistic nylon. The rear panels are covered with canvas and the interiors are lined with smooth Nylon oxford cloth.*

*Ballistic Series bags feature the same military-grade hardware as their canvas counterparts, as well as the original cotton web Gripper shoulder strap.*



### Journalist J Series Professional Camera Bags



board, a full-length back pocket, two large front pockets, two pen/ flashlight pockets, hand-carry strap with grip, and an adjustable Gripper shoulder strap.

The J Series is designed to handle the larger cameras and lenses favored by pro news photographers. Made of tough-as-nails water resistant double-ply ballistic nylon, these bags are built to survive the roughest assignments and meanest streets. 14 compartments and pockets, including a revolutionary, adjustable Domke padded insert can be configured to fit the camera and lenses. The Journalist J Series provides a fully lined main compartment, two large end pockets, and a zippered pocket to store filters, film, and other things. Additional features include rubber feet, a removable padded bottom

#### J1 Journalistic Ballistic Bag Black (700-J1B)

Holds 2 cameras with motor drives, 4 to 6 autofocus lenses, a flash, a meter, film and accessories. Its extra height and length accommodates “faster”, longer lenses and lens hoods, and allows cameras to be carried vertically (in a padded insert) with the lenses mounted. The main compartment is 14 x 6½ x 11”. (36 x 17 x 28cm). It weighs 4.1 lbs. (1.9kg).

Item # DOJ1B.....119.97

**All items are complete with all accessories as supplied by the manufacturer**



Journalist J Series Professional Camera Bags, *continued***J2 Journalistic Ballistic Bag Black (700-J2B)**

Holds 2 cameras with motor drives, 4 to 6 lenses, a flash, a meter, film and accessories. The main compartment is 12 x 6½ x 9". (30 x 17 x 23cm). It weighs 3.8 lbs. (1.7kg).

**Item # DOJ2B .....107.97**

**J-3 Journalistic Ballistic Bag Black (700J3B)**

The J-3 is the super compact model of the Journalistic series, used when less equipment is needed. The J-3 holds one or two cameras, with or without motor drives, three to four lenses, a flash, a meter, film, and accessories. The main compartment is 9x7x9" (22.75x18x22.75 cm), and weighs only 4lbs 12oz.

**Item # DOJ3B.....95.97**



*J1 Journalistic  
Ballistic Bag (700-J1B)*

**J-Series Belt Bag Black (700JSB)**

The Belt Bag is a compact, multi-purpose, fully lined bag with additional pockets designed to hold and protect film backs, binoculars, and other small accessories. The J-Series can be worn on a belt or strapped on a larger bag. Its dimensions are 7x7.5x2.5" (18x19x6 cm), and weighs 8oz.

**Item # DOBBJ.....29.97**

**F-2 Original Photo Bag**

The bag that started it all. Jim Domke had one custom made for his own use in 1976, and thousands of bags later, the F-2 is still the most popular Domke bag. Main compartment interior dimensions are 12 x 6.5 x 9" (30 x 17 x 23cm) LWD. Weighs 2.6 lbs. (1.2kg). Features

twelve compartments and pockets; patented four-compartment; padded insert included; adjustable, non-slip Gripper Strap runs completely around the bag; removable padded bottom stiffener; and includes a removable hand carrying strap.

**F-2 Original Bag Black (70002B)**

**Item # DOF2B .....89.97**

**F-2 Original Bag Navy (70002N)**

**Item # DOF2N.....89.97**

**F-2 Original Bag Sand (70002S)**

**Item # DOF2S.....89.97**

**F-2 Original Bag Emerald Green (702F2E)**

**Item # DOF2E.....101.97**

**F2 Original Bag Ballistic Black (700F2B)**

**Item # DOF2BB .....89.97**

**F-2LE Original Bag Leather Black (702F2L)**

Made of butter-soft leather, fully lined, with two matching black padded inserts. All the features of the canvas F-2 (less the interior weather flap pocket), and a few more. Contoured and suede-lined leather shoulder strap.

**Item # DOF2LEB.....239.98**

**F-3X Super Compact Photo Bag**

The bag to grab when an assignment does not call for dozens of pieces of equipment. This inconspicuous bag carries a surprising amount of gear. Main compartment interior dimensions are 8.5 x 5.5 x 9" (22 x 14 x 23cm) LWD. Weighs 2 lbs. (907g). Features nine compartments and pockets; a removable padded partition wall included; an adjustable non-slip Gripper Strap runs completely around the bag; an open cell foam liner in bottom adds cushioned support; a removable hand carrying strap can be used whether bag is open or closed.

**F-3X Super Compact Black (70030B)**

**Item # DOF3XB.....77.97**

**F-3X Super Compact Navy (70030N)**

**Item # DOF3XN .....77.97**

**F-3XE Super Compact Emerald Green (702F3E)**

**Item # DOF3XE.....89.97**

**F-3X Super Compact Sand (70030S)**

**Item # DOF3XS .....77.97**

**F-3X Super Compact Ballistic Black (700F3B)**

**Item # DOF3XBB .....77.97**

**F5X-B Shoulder Belt Bag**

This versatile hip-hugger can be used as a conventional camera bag with the adjustable Gripper Shoulder Strap (included) or as a belt bag. Main compartment interior dimensions are 10.5 x 4.5 x 6.5 (26.7 x 11.4 x 16.5") LWD. Weighs 1.3 lbs. (595g). It features seven compartments and pockets (main compartment is padded and lined with soft knit material); heavy-duty zipper closes main compartment (double pull tabs regulate size and location of opening) and all compartments are covered and protected by oversized weather flap. Two removable padded partition walls are included and a belt tunnel runs nearly the bag's full length, for absolute security.

**F-5XB Shoulder/Belt Bag Black (70052B)**

**Item # DOF5XBB.....47.97**

**F-5XB Shoulder/Belt Bag Navy (70052N)**

**Item # DOF5XBN .....47.97**

**F-5XB Shoulder/Belt Bag Sand (700-52S)**

**Item # DOF5XBS .....47.97**

## F-6 Little Bit Smaller Photo Bag

A discreet bag with a low profile exterior and "all-business" interior. Similar to the F-2 Original bag, scaled-down to accommodate a bit less equipment. Yet, the F-6 is a true professional's bag, with room for two complete SLR setups. Main compartment interior dimensions are 12x6x7" (30x15x18cm) LWD. Weighs 1.9 lbs. (850g). Features include nine compartments and pockets including 2 full-length zippered compartments; patented 4-compartment padded insert; double-pull zipper which regulates size and location of cargo compartment opening; and an adjustable Gripper shoulder strap that runs completely around the bottom of the bag.



**F-6 Little Bit Smaller Bag Black** (70060B)  
**Item # DOF6B.....59.97**

**F-6 Little Bit Smaller Bag Navy** (70060N)  
**Item # DOF6N.....59.97**

**F-6 Little Bit Smaller Bag Sand** (70060S)  
**Item # DOF6S.....59.97**

**F-6 Little Bit Smaller Bag Emerald** (702F6E)  
**Item # DOF6E.....71.97**

**F-6 Little Bit Smaller Bag Ballistic Black** (700F6B)  
**Item # DOF6BB.....59.97**

## F-4AF Pro System Photo Bag



A formidable compact camera bag, that is ideal for a Nikon F4s or Canon EOS-1N with a zoom lens mounted, two additional zoom lenses, flash, film and accessories, plus many medium format cameras and video palmcoders. Main compartment interior dimensions are 9x8x11" (23x20x28cm) LWD. Weighs 2.4 lbs. (1.1kg). It has 8 compartments and pockets and a large padded insert that holds an autofocus SLR/zoom lens in a "grab-and-shoot" position. A second insert has twin compartments for extra lenses or "potato masher" strobes. Insert system is fully compatible with other Domke bags. With adjustable non-slip Gripper Strap; open cell foam liner sewn into bottom; and a removable hand-carrying strap.

**F-4AF Pro System Bag Black** (70040B)  
**Item # DOF4AFB.....94.77**

**F-4AF Pro System Bag Navy** (70040N)  
**Item # DOF4AFN.....94.77**

**F-4AF Pro System Bag Sand** (70040S)  
**Item # DOF4AFS.....94.77**

## F-7 Double AF Photo Bag

The photojournalist's dream bag. Carries two complete professional 35mm or medium format setups. It has room for two big SLR's with motor drives and zooms attached, plus everything else needed. The adjustable belt system works with the Gripper Strap to keep even a fully-loaded F-7 snug against your hip. Main compartment interior dimensions are 14 x 7 x 11" (36 x 18 x 28cm) LWD. Weighs 4.3 lbs. (2kg).



**F-7 Double AF Bag Black** (70070B)  
**Item # DOF7B.....131.97**

**F-7 Double AF Bag Sand** (70070S)  
**Item # DOF7S.....131.97**

## F-1X Little Bit Bigger Photo Bag

Just a little bit bigger than the F-2, the F-1X is perfect for extended assignments, or those which just require extra equipment. There is more than enough room inside for three complete 35mm or medium format systems and all of the gear that goes with them. Its main compartment interior dimensions are 17 x 6.7 x 9" 43 x 17 x 23cm) LWD. It weighs 3.3 lbs. (1.5kg). It features 15 compartments and pockets; patented 4-compartment padded insert included; four pockets under weather flap; adjustable non-slip Gripper Strap which is sewn completely around the bag; removable padded bottom stiffener; and removable four-point carrying handle.



**F-1X Little Bit Bigger Bag Black** (70010B)  
**Item # DOF1XB.....119.97**

**F-1X Little Bit Bigger Bag Navy** (70010N)  
**Item # DOF1XN.....119.97**

**F-1X Little Bit Bigger Bag Sand** (70010S)  
**Item # DOF1XS.....119.97**

**F-1X Little Bit Bigger Bag Ballistic Black** (700F1B)  
**Item # DOF1XBB.....119.97**

# DOMKE

## SATCHELS

### F-802 Reporters Satchel

With its flexible main compartment, enormous cargo pockets and zippered pouches, the F-802 is a briefcase, camera bag, laptop computer bag and more. The main compartment interior dimensions are 15.5 x 4 x 12" (39x2x30cm) LWD, and its weight is 2.5 lbs. (1.1kg). It features seven compartments and pockets, including two expanding cargo pockets with individual weather flaps; padded side walls and bottom, rigid top panel; reinforced handle is box-stitched to top of bag; adjustable Gripper Shoulder Strap is sewn completely around the Satchel for support.



**F-802 Reporter's Satchel Black (70182B)**  
**Item # DOF802B .....59.97**

**F-802 Reporter's Satchel Sand (70182S)**  
**Item # DOF802S .....59.97**

**F-802 Reporter's Satchel Navy (70182N)**  
**Item # DOF802N .....59.97**

**F-802 Reporter's Satchel Emerald Green (70282E)**  
**Item # DOF802E .....77.97**

### F-803 Camera Satchel



For photographers who do not want to call attention to their equipment. Ideal for 2 or 3 cameras, 1 or 2 extra lenses and accessories. Main compartment interior dimensions are 13 x 4 x 9" (33x10x23cm). Weighs 1.9 lbs. (878g). Features 8 compartments and pockets; includes movable and removable one compartment padded insert; full-length Velcro strips inside main compartment accept additional Padded Inserts (sold separately); padded side walls and bottom protect equipment; adjustable Gripper Shoulder Strap runs completely around the Satchel.

**F-803 Camera Satchel Black (70183B)**  
**Item # DOF803B .....77.97**

**F-803 Camera Satchel Sand (70183S)**  
**Item # DOF803S .....77.97**

**F-803 Camera Satchel Navy (70183N)**  
**Item # DOF803N .....77.97**

**F-803 Camera Satchel Emerald Green (70283E)**  
**Item # DOF803E .....95.97**

### F-805 Courier Satchel

Ideal for a laptop computer and accessories, documents and travel necessities, as well as medium and large format cameras with optional Domke inserts, the Courier Satchel fits under an airline seat. It features 13 compartments and pockets (includes Domke's UnderCover Organizer, which stores smaller items in a compartment under the main flap); accepts optional padded inserts; fully lined, lightly padded interior; Gripper Shoulder Strap attaches with heavy-duty Fastex buckles, can be stored when not in use. Contoured handle strap swings out of the way when bag is open; key storage fob/clip. Main compartment internal dimensions are 15x6.5x12.5" (38x17x32cm). Weighs 3.7 lbs. (1.7kg).

**F-805 Courier Satchel Black (70185B)**  
**Item # DOF805B .....95.97**

**F-805 Courier Satchel Navy (70185N)**  
**Item # DOF805N .....95.97**

**F-805 Courier Satchel Sand (70185S)**  
**Item # DOF805S .....95.97**

### Domke Dataporter

**Domke Dataporter (70187B)**

Organizes the office on the go. Holds a variety of computer and imaging equipment. Made of ballistic nylon with 9 compartments and pockets and a fully padded interior. The dimensions of the main compartment are 13x5x11" (33 x 12.5 x 28 cm), and weighs 3lbs 1oz.

**Item # DODPQ .....89.95**

### F-804 Super Satchel

Large and versatile enough to carry pro studio lighting equipment, a couple of 11x14" print storage cases, or a light table and slides. Ideal for 2 compact studio strobe heads and a power pack, 4x5 field camera and lenses, or laptop and portable printer. Main compartment interior dimensions are 25 x 6.5 x 12.5" (38 x 17 x 32cm). Weighs 3 lbs. (1.4kg). 7 compartments and pockets (Two expanding cargo pockets with individual weather flaps; velcro inside main compartment accepts most Domke Padded Inserts, sold separately; adjustable. Gripper Shoulder Strap sewn completely around the Satchel.

**F-804 Super Satchel Black (70184B)**  
**Item # DOF804B .....74.97**

**F-804 Super Satchel Navy (70184N)**  
**Item # DOF804N .....74.97**

**F-804 Super Satchel Sand (70184S)**  
**Item # DOF804S .....74.97**

### F-806 Bureau Chief Satchel

Designed with the multimedia photographer in mind, the F-806's main compartment can hold a notebook computer, portable printer or scanner, as well as cords and adapters. A zippered flap conceals organized pockets for a cellular phone, calculator, note pads, etc. Main compartment interior dimensions are 16 x 4 x 12" (41 x 10 x 30cm), Weighs 2.1 lbs. (1kg). Features 12 compartments and pockets, including four zippered compartments, (a drop-down flap reveals 5 accessory compartments and a see-through mesh pocket) and a detachable, adjustable Gripper Strap secured by swivel hooks to prevent twisting. The concealed key fob/clip is a safe place to stow your keys.

**F-806 Bureau Chief Satchel Black (70186B)**  
**Item # DOF806B .....80.97**

## Sling Bags

Sling Bags help to organize and carry long, awkward loads like lightstands, location light modifiers and portable backgrounds. Each model has an internal umbrella sleeve, outer zipper pocket for small accessories, end-to-end zippers with double slides and extra-wide shoulder slings. All bags are available in black canvas.

**F-400 Original Sling Bag (708-400)**

A triangular bag. Measures 42 x 8 x 4" (107 x 20 x 10cm).

**Item # DOF400.....47.97**

**F-402 Mini Sling Bag (708-402)**

A mini rectangular bag. It measures 32 x 4 x 8" (81 x 10 x 20cm).

**Item # DOF402.....44.97**

**F-403 Extra Long Sling Bag (708-403)**

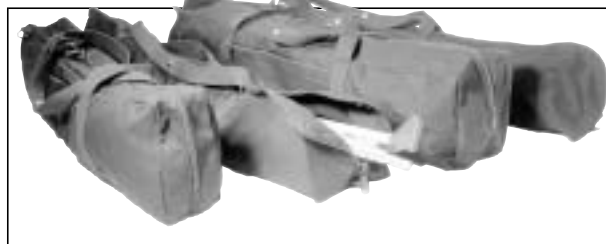
An extra long triangular bag. Measures 56x8x8" (142x20x20cm).

**Item # DOF403.....53.97**

**F-401 Super Sling Bag (708-401)**

A medium rectangular bag. It measures 38 x 8 x 8" (97x20x20cm).

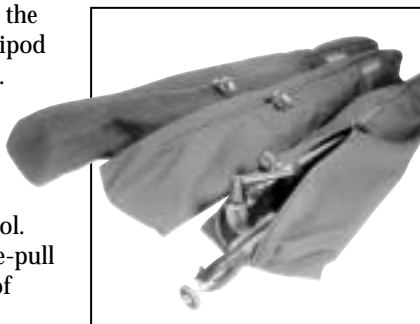
**Item # DOF401.....53.97**



## Tripod Bags

Designed to carry even the bulkiest professional tripod with balance and grace.

Adjustable shoulder strap is positioned to keep the tripod head up, making it easy to carry and control. All models have double-pull zippers and are made of black cotton.

**F427 Tripod Bag (709-427)**

A small bag. 27" (69cm) long.

**Item # DOF427.....28.77**

**F-432 Tripod Bag (709-432)**

A medium bag. Measures 32" (81cm).

**Item # DOF432 .....31.17**

**F-440 Tripod Bag (709-440)**

Has an inside pouch for detachable head handles. Measures 40" (102cm).

**Item # DOF440 .....37.17**

## Padded Inserts

Customize with "Velcro-in" Padded Inserts in 10 configurations. Nylon compartments feature removable high-density padding. Walls are sewn to bottom preventing items from straying. Inserts can be arranged or stored, fully loaded, outside the bag. Short inserts are for use with the F-6 or other short bags.

**One Compartment****Mini Insert FA-80 (720-200)**

The outside dimensions are 3 x 4 x 8" (7.6 x 10.2 x 20.3cm) WLH.

**Item # DOFA280.....16.95**

**One Compartment****Standard Insert FA-210 (720-210)**

Outside dimensions: 3 x 6 x 8" (7.6 x 15.2 x 20.3cm) WLH.

**Item # DOFA210 .....17.95**

**One Compartment****Large Insert FA-211 (720-211)**

Outside dimensions: 5 x 6 x 8" (12.7 x 15.2 x 20.3cm) WLH.

**Item # DOFA211 .....19.95**

**One Compartment****Short Insert FA-216 (720-216)**

Outside dimensions: 3 x 6 x 6.8" (7.6 x 15.2 x 17.1cm) WLH.

**Item # DOFA216 .....16.95**

**Two Compartment****Insert FA-220 (720-220)**

Outside dimensions: 3 x 6 x 8" (7.6 x 15.2 x 20.3cm) WLH.

**Item # DOFA220 .....22.50**

**Two Compartment****Short Insert FA-226 (720-226)**

Outside dimensions: 3 x 6 x 6.8" (7.6 x 15.2 x 17.1cm) WLH.

**Item # DOFA226 .....19.95**

**Three Compartment****Insert FA-230 (720-230)**

Three evenly spaced inserts. Outside dimensions: 3 x 11 x 8" (7.6 x 28 x 20.3cm) WLH.

**Item # DOFA230 .....19.95**

**Three Compartment Combination Insert FA-233 (720-233)**

Two compartments measuring 37 x 3.3" (9.5 x 8.5cm) and one larger compartment measuring 3 x 7.9" (7.5 x 20cm). External dimensions are 6 x 7 x 8" (15.2 x 17.8 x 20.3cm) WLH.

**Item # DOFA233.....19.95**

**Four Compartment****Insert FA-240 (720-240)**

Four evenly spaced inserts are broken evenly into quarters.

The outside dimensions are 6 x 7 x 8" (15.2 x 17.8 x 20.3cm) WLH.

**Item # DOFA240 .....22.50**

**Four Compartment****Short Insert FA-246 (720-246)**

Same as the Four Compartment Insert FA-240 (720-240), with exterior dimensions of 6 x 7 x 6.8" (15.2 x 17.8 x 17.1cm) WLH.

**Item # DOFA246 .....19.95**

## LENS BAGS, POUCHES AND STRAPS

### J-Series Long Lens Bag

Vertical black canvas bags hold high speed telephoto lenses with 2" Gripper style shoulder strap and loops on side for attaching monopods. They feature a special flap with a 45° zip that opens away from the photographer, permitting a good grip on lens; bag is fully padded for protection and holds its shape when empty, making it easy to fit lens into empty bag after use; hangs vertically on shoulder; front pocket holds brick of film; flat rear pocket holds note pads.



**J-300 Long Lens Bag** (706-300)  
For 300mm f/2.8 lens. 7 x 8 x 12" (18 x 20 x 30cm).  
**Item # DOJ300.....89.95**

**J-400 Long Lens Bag** (706-400)  
For 400mm f/2.8 lens. 7 x 8 x 18" (18 x 20 x 46cm).  
**Item # DOJ400.....94.95**

**J-600 Long Lens Bag** (706-600)  
For 600mm f/4 lens. 7 x 8 x 22" (18 x 20 x 56cm).  
**Item # DOJ600.....99.95**

### Filter Pouches

Filter pouches are made of black Ballistic nylon for a high tech look. They have color-coded labels for quick identification when carrying more than one filter and can be used for storing glass filters up to 82mm, Cokin "P" size squares, or 3 1/2" floppy disks.

**6-Pocket Filter File Pouch**  
With red label. It measures 9.5 x 13.5" open (24 x 34cm) and 8.5 x 4.5" closed (22 x 11cm).  
**Item # DOFF6.....22.50**

**9-Pocket Filter File Pouch**  
With gray label. It measures 16 x 12" open (41 x 30cm) and 12.5 x 5.5" closed (32 x 14cm).  
**Item # DOFF9.....26.95**

**13-Pocket Filter File Pouch**  
With olive label. This Pocket Filter File Pouch has six standard (3.5" square) pockets, six gel compartments, one large compartment for lens cleaning tissue or note paper. It measures 16 x 12" open (41 x 30cm) and 12.5 x 5.5" closed (32 x 14cm).  
**Item # DOFF13 .....27.50**

### Add-On Pouches

"Velcro" a Domke pouch onto any camera bag strap, belt it, or hang it on a tripod or light stand. Top flap has Velcro closure.

**F-901 Compact Pouch Black** (710-10B)  
With velcro strips. Perfect for point-and-shoot cameras. Accepts Domke One-Compartment Mini Insert 720-200. Dimensions: 9 x 5 x 3" (22.9 x 12.7 x 7.6cm). Black color.  
**Item # DOF901B .....19.50**

**F-901 Compact Pouch Navy** (710-10N)  
Same as above in navy color.  
**Item # DOF901N.....19.50**

**F-901 Compact Pouch Sand** (710-10S)  
Same as above in sand color.  
**Item # DOF901S.....19.50**

**F-901 Compact Pouch Emerald Green** (710-11E)  
Same as above in green color.  
**Item # DOF901GR .....24.50**

**F-902 Super Pouch Black** (710-20B)  
With velcro strips; fits Polaroid backs, cellular phones, point-and-shoot cameras; accepts Domke one-compartment insert 720-200; 11 x 6 x 3" (27.9 x 15.2 x 7.6cm). Black color.  
**Item # DOF902B .....19.95**

**F-902 Super Pouch Navy** (710-20N)  
Same as the F-902 Super Pouch, but in navy color.  
**Item # DOF902N.....19.95**

**F-902 Super Pouch Sand** (710-20S)  
Same as the F-902 Super Pouch, but in sand color.  
**Item # DOF902S.....19.95**

**F-945 Belt Pouch Black** (710-30B)  
This satchel style pouch holds 4 x 5" film holders, Quantum Battery 1, or 120 Propacks. The dimensions are 6 x 7 x 2" (15.2 x 17.8 x 5cm). Available in black color.  
**Item # DOF945B .....19.95**

**F-945 Belt Pouch Navy** (710-30N)  
Same as the above F-945 Belt Pouch but in navy color.  
**Item # DOF945N.....19.95**

**F-945 Belt Pouch Sand** (710-30S)  
Same as the above F-945 Belt Pouch but in sand color.  
**Item # DOF945S.....19.95**

### Camera/Binocular Straps

Constructed of the same thick webbing on all Domke bags, these Gripper Straps stay put with tracks of non-slip rubber woven into the cotton webbing on quick release models. Swivel clips keep the straps lying flat, untangled and easy to buckle/unbuckle. Adjustable length up to 42" (107cm).

**1" Black Strap without Swivel** (740-6BK)  
**Item # DOSG1B.....13.50**

**1" Tan Strap without Swivel** (740-6TN)  
**Item # DOSG1T.....13.50**

**1" Blue Strap without Swivel** (740-68NA)  
**Item # BOSG1N.....13.50**

**1" Strap Black with Swivel Q.R.** (741-6BK)  
**Item # DOSGS1B.....14.95**

**1" Strap Tan with Swivel Q.R.** (741-6TN)  
**Item # DOSGS1T .....14.95**

**1" Strap Blue with Swivel Q.R.** (740-6NA)  
**Item # BOSGSIN.....14.95**

**1" Strap Emerald with Swivel Q.R.** (741-6GE)  
**Item # DOSGS1E.....17.95**

**1.5" Strap Black with Swivel Q.R.** (742-6BK)  
**Item # DOSGS1.5B.....15.95**

**1.5" Strap Tan with Swivel Q.R.** (742-6TN)  
**Item # DOSGS1.5T .....15.95**

**1.5" Strap Blue with Swivel Q.R.** (742-68NA)  
**Item # BOSGS1.5N .....15.95**





## Bag Accessories

**Regular Waist Belt  
Black (745-2BK)**

For use with F-5XB Shoulder and Belt Bag and Accessory Pouches. Adjusts from 28 to 40" (71-102cm). Fastex side-release closure and removable key clip. Included with F7 "Double AF" Bag.

**Item # DOBRF5XBB .....17.95**

**Regular Waist Belt Tan (745-2TN)**

**Item # DOBRF5XBT .....17.95**

**Large Waist Belt Black (745-3BK)**

Same as Regular Belt, but adjusts to 52" (132cm).

**Item # DOBLF5XBB .....19.95**

**Large Waist Belt Tan (745-3TN)**

**Item # DOBLF5XBT .....19.95**

**Super Handle  
Black FA-112 (725-52B)**

A 1" web hand strap with rigid hand grip. Clips onto D-rings of F-2, F-3X, F-4AF and F-6 bags. (Replacement on the F-804.)

**Item # DOSHB .....9.95**

**Super Handle  
Tan FA-112 (725-52T)**

**Item # DOSHT .....9.95**

**U.S. Post Office  
Shoulder Pad (725-310)**

This shoulder pad fits the contour of your shoulder. "Velcros" onto straps up to 2.75". Newly engineered foam makes pad more durable and attractive than ever.

**Item # DOSP .....13.50**



Regular  
Waist Belt  
Black

**Gripper Utility Strap  
Black FA-140 (745-1BK)**

1.5" (38mm) heavy-duty, adjust-able Gripper strap with large nylon swivel clips at each end, for use on cases, Sling Bags, etc. (Replacement on F-5XB.)

**Item # DOSG1.5B .....13.50**

**Gripper Utility Strap  
Tan FA-140 (745-1TN)**

Same as above in tan color.

**Item # DOSG1.5T .....13.50**

**Backpack Strap Black (725-100)**

Attaches to F-1X, F-2, F-3X, F-4AF, F-7, F-804, F-805, J-1, J-2 and J-3 Bags. Carries bag low on back, distributing weight on shoulders.

**Item # DOSBP .....16.95**

**2" Gripper Bag  
Strap Black (790-5BK)**

Replacement. No sewing required; cut off worn strap and thread on the new one.

**Item # DOSGB .....9.95**

**2" Gripper Bag Strap Tan (790-5TN)**

**Item # DOSGT .....9.95**

## Photographers Vests



The ultimate in fashion and function for the active photographer or outdoor enthusiast. The vests feature 100% machine washable cotton (khaki color with an olive tint). They have mesh ventilation panels at the shoulders and back, and 18 pockets with either zipper, velcro, or weather flap closure. Padded and quilted shoulders. Collar is raised and padded. Large front cargo pockets are lined with waterproof nylon. Heavy-duty double-pull zipper provides an adjustable closure for greater comfort and includes a removable see-through press pass holder. Full-cut for comfort and practicality.

**Photographers Vest Small (734-001)**

Fits chest size 36-38.

**Item # DOVPS .....59.95**

**Photographers Vest Medium (734-002)**

Fits chest size 40-44.

**Item # DOVPM .....59.95**

**Photographers Vest Large (734-003)**

Fits chest size 46-48.

**Item # DOVPL .....59.95**

**Photographers Vest X-Large (734-004)**

Fits chest size 50-52.

**Item # DOVPXL .....59.95**

**Photographers Vest XX-Large (734-005)**

Fits chest size 54-56.

**Item # DOVPXXL .....63.95**

## Protective Wraps

Constructed of padded Velcro-compatible knit with a protective backing. Can be wrapped around lenses, tools, or anything that will fit inside. Velcro tabs on all four corners allow wrap to be self-secured in any configuration. Available in black, red or yellow for quick identification.

**11" (28cm) PROTECTIVE WRAP****Black Protective Wrap (722-11B)**

**Item # DOPW11B .....9.95**

**Red Protective Wrap (722-11R)**

**Item # DOPW11R .....9.95**

**Yellow Protective Wrap (722-11Y)**

**Item # DOPW11Y .....9.95**

**Gray Protective Wrap (722-11G)**

**Item # DOPW11G .....9.95**

**15" (38cm) PROTECTIVE WRAP****Black Protective Wrap (722-15B)**

**Item # DOPW15B .....12.50**

**Red Protective Wrap (722-15R)**

**Item # DOPW15R .....12.50**

**Yellow Protective Wrap (722-15Y)**

**Item # DOPW15Y .....12.50**

**Gray Protective Wrap (722-15G)**

**Item # DOPW15G .....12.50**

**19" (48cm) PROTECTIVE WRAP****Black Protective Wrap (722-19B)**

**Item # DOPW19B .....13.50**

**Red Protective Wrap (722-19R)**

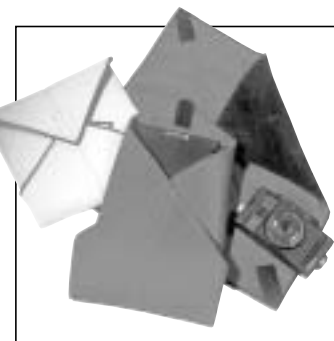
**Item # DOPW19R .....13.50**

**Yellow Protective Wrap (722-19Y)**

**Item # DOPW19Y .....13.50**

**Gray Protective Wrap (722-19G)**

**Item # DOPW19G .....13.50**



# DOMKE

## OUTPAKS

*OutPack is an innovative line of photo bags and accessories for outdoor shooters and the product of extensive design, testing, redesign and fine-tuning. OutPack products are made of coated 420 Denier Nylon pack cloth lightweight, yet exceptionally tough, water and mildew resistant. Lining is super-light, smooth 200 Denier Oxford Nylon. Open cell foam and thin support panels provide structure and protection without excessive weight. All webbing is high-strength synthetic.*

### Photo Daypacks

Modular, compartmentalized carrying system that allows access to needed equipment without risking exposure of other equipment. Everything can be safely opened and accessed while the pack is upright, so it need not be placed on the rocks or in dirt or snow. The Backpack is designed for 35mm, medium format or 4 x 5" field camera systems. It is completely customizable with a padded harness and waistbelt, an adjustable sternum strap, a removable divider and floor panels. The Photo Daypack has up to 14 compartments and pockets, including cassette-door lens compartment with removable patented padded insert. Its dimensions are 15½ x 13½ x 6" (39 x 34 x 15cm) H.W.D. and it weighs 3.8 lbs. (1.7kg).

Photo Daypack Blue (730-201)	
Item # DODPBL.....	119.97
Photo Daypack Olive (730-202)	
Item # DODPO .....	119.97
Photo Daypack Black (730-203)	
Item # DODPB.....	119.97

### The Photo Backpacker

The Photo Backpacker has up to eight compartments/pockets, including a "cassette-door" lens compartment with patented Padded Insert, an internal frame, clip-on handles and a stowaway rear suspension cover that allows conversion to a luggage-style bag. It also has lash points, tripod loops, and web-attachments for Duffel and accessories. Its dimensions are 22 x 12½ x 6" (56 x 32 x 15cm) H.W.D. and weighs 6.2 lbs. (2.8kg).



Photo Backpack Blue (730-001)	
Item # DOBPBL .....	179.97
Photo Backpack Olive (730-002)	
Item # DOBPO.....	179.97
Photo Backpack Black (730-003)	
Item # DOBPB.....	172.50

### Photo Travel Minipak

A small handy extra pocket, great for small camera, film, and walkman stereos. The minipak can be worn on a belt or attached to a shoulder bag strap. The dimensions of the minipak are 9 x 6 x 2" HWD.

Photo Travel Minipak Blue (730-301)	
Item # DOMPBL.....	22.50
Photo Travel Minipak Olive (730-302)	
Item # DOMPO.....	22.50
Photo Travel Minipak Black (730-303)	
Item # DOMPB.....	22.50

### OutPack Waist Backpacks

These top loading hands-free packs are made of the same construction as the Domke Backpack. The dimensions are 13 x 9 x 7" (33 x 23 x 18cm), and they weigh 16 oz. (454g). Features a roomy main compartment with two Velcro dividers and mesh pocket. External zippered pouch pocket, two slash pockets, lash points, and a removable water bottle harness.

Waist Pack Blue (730-101)	
Item # DOWPBL.....	35.97
Waist Pack Olive (730-102)	
Item # DOWPO.....	35.97
Waist Pack Black (730-103)	
Item # DOWPB.....	34.99

### OutPack Duffels

The OutPack Duffels have a double padded duffel floor to protect them from shock and moisture. They have a drawstring top and belt loop/lash point. All duffels are 4½" in diameter (11.4cm).



Duffel Blue 6" (15.2cm) (731-061)	
Item # DODBL6 .....	9.95
Duffel Olive 6" (15.2cm) (731-062)	
Item # DODO6.....	9.95
Duffel Black 6" (15.2cm) (731-063)	
Item # DODB6.....	9.95
Duffel Blue 9" (22.9cm) (731-091)	
Item # DODBL9 .....	13.50
Duffel Black 12" (30cm) (731-123)	
Item # DODB12 .....	14.95
Duffel Olive 9" (22.9cm) (731-092)	
Item # DODO9.....	13.50
Duffel Black 9" (22.9cm) (731-093)	
Item # DODB9.....	13.50
Duffel Blue 12" (30cm) (731-121)	
Item # DODBL12 .....	14.95
Duffel Olive 12" (30cm) (731-122)	
Item # DODO12.....	14.95

# DOMKE / MISCELLANEOUS

## O U T P A K S

### Scopepack

This unique backpack with adjustable padded harness and waistbelt is designed to hold super telephoto lenses up to 800mm mounted on a body. It can also accommodate a spotting scope with a tripod. There are four outside pockets (9 x 6.5 x 3" HWD) to accommodate film, filters and other useful accessories. The two lower pockets are padded. This case also features two interchangeable protective lids. One is padded for protection from the elements and the other is a hightop which allows you the extra length. The dimensions of the main compartment are 24" deep and 8" diameter. Weighs 2.8 lbs.



Scopepack Blue (730-501)  
Item # **DOSPBL**.....**83.97**

Scopepack Olive (730-502)  
Item # **DOSPO** .....**83.97**

Scopepack Black (730-503)  
Item # **DOSPB** .....**80.95**

Scopepack Camouflage (730-504)  
Item # **DOSPC**.....**80.95**

### Replacement Rain Covers and Padded Panels

Rain Cover  
Backpack Black (730-CVR)  
Item # **DORC** .....**12.95**

Rain Cover  
Daypack Black (730-CVS)  
Item # **DORCDP**.....**11.95**

Padded Panel 3x24" (730-PP3)  
As supplied with backpack.  
Item # **DOPP3**.....**4.95**

Padded Panel 5x24" (730-PP5)  
As supplied with backpack  
Item # **DOPP5**.....**5.95**

## MISCELLANEOUS ALUMINUM CASES

*With heavy-duty, yet lightweight construction, these cases are reinforced at wear points and feature tongue-in-groove, hinged lid closure which seals out dirt and moisture. Thick, sponge inner pad can be easily cut out with razor blade into desired shape to accommodate equipment. Heavy-duty locks are easy to open and close. Additional features include detachable shoulder strap, molded plastic handle and bottom studs.*



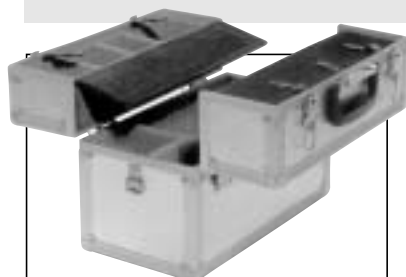
### Professional Aluminum Cases

Aluminum Attache Case Medium  
Inside dimensions are 18 x 13.5 x 6" (46 x 34 x 15cm) LWH. Weighs 1.7 lbs. (770g).  
Item # **GBACM**.....**59.95**

Aluminum Attache Case Large  
Inside dimensions are 21 x 17.5 x 8" (53 x 44 x 20cm) LWH. Weighs 2.8 lbs. (1.3kg).  
Item # **GBACL**.....**89.95**

Aluminum Attache Case Extra Large  
Inside dimensions are 23 x 21 x 10.75" (58.4 x 53 x 27cm) LWH. Weighs 3.8 lbs. (1.7kg).  
Item # **GBACXL**.....**119.95**

### Aluminum Tackle Cases



The Aluminum Tackle Cases are designed for 35mm to 4x5 cameras. They are polyurethane foam lined, with tongue and groove movable partitions. There are two large top sections for an extra camera, film, strobes and other equipment. Locks with a key. Shoulder strap.

Aluminum Tackle Box Case Small  
Inside dimensions are 15 x 11.5 x 7.5" (38 x 29 x 19cm). Weighs 1.8 lbs. (815g).  
Item # **GBTBCS** .....**79.95**

Aluminum Tackle Box Case Large  
Inside dimensions are 20.5 x 13.25 x 10.5" (52 x 34 x 27cm). Weighs 2.7 lbs. (1.2kg).  
Item # **GBTBCL** .....**99.95**

*Manufactured by Aco Enterprises, the f64 bags are built with superior quality and workmanship.*

*"Box" or "Box-X" stitching at all stress points assures durability and longevity of these well-designed cases. Only the highest quality #69 bonded nylon thread with premium grade nylon webbing straps with high strength, polycarbonate fasteners are used. The zippers are self-healing nylon coil; handles and straps have leather-wrapped pads for comfort; interior seams are framed with seam tape to improve cosmetics and strength; high-density, closed-cell, moisture-resistant foam padding protects against heat and impact.*



SC Camera Case

### SCX Camera Case



The SCX offers 1,985 cubic inches of interior storage space. It satisfies even the most demanding photographer. It will hold two camera bodies with attached lenses, additional lenses, hand held meters, filters and a portable flash. Twin drop down front organizers keep items within easy reach. Detachable side pockets hold plenty of film and make it easy

to go through security. These side pockets conveniently mount on optional accessory belt #AB. Interior dimensions are 8.5 x 14 x 9.5" (22 x 36 x 24cm). Weighs 5.3 lbs. (2.4kg).

SCX X-Large Camera Case Black

Item # F6SCXB .....144.50

SCX X-Large Camera Case Blue

Item # F6SCXBL .....144.50

SCX X-Large Camera Case Gray

Item # F6SCXG .....144.50

SCX X-Large Camera Case Green

Item # F6SCXGR .....144.50

### FH 4x5 Case

FH 4x5 Case Black

Protects up to six 4x5 film holders. Can be closed by either velcro or a zipper. Front mesh pocket allows convenient storage for dark slides or small accessories. Belt loops are provided, allowing it to be worn on optional accessory belt #AB. Interior dimensions are 3.5 x 5.5 x 8.5" (8.9 x 14 x 21.6cm) WLH. Weighs 6.7 oz. (90g).

Item # F6CFH45.....29.95



### SC Camera Case

The SC offers 690 cubic inches of interior storage space. Accommodating a camera body with attached lens, two extra lenses and a portable flash, the SC offers plenty of room for camera, lenses, film and filters. A drop down front organizer keeps items within easy reach. The SC also converts into a comfortable waist pack with a hide-away strap. Detachable side pockets hold plenty of film and make it easy to go through airport security. These side pockets conveniently mount an optional accessory belt #AB. Interior dimensions are 6.5x10.5x8" (17x27x20cm) WLH, weight 3.5 lbs. (1.6kg).

SC Medium Camera Case Black  
Item # F6SCB .....66.95

SC Medium Camera Case Blue  
Item # F6SCBL .....66.95

SC Medium Camera Case Gray  
Item # F6SCG .....66.95

SC Medium Camera Case Green  
Item # F6SCGR .....66.95

### SCM Camera Case

Offers 1,060 cubic inches of interior storage space. Accommodates a camera body, several lenses, filters and a portable flash. The drop down front pocket keep professionals organized. Detachable side pockets hold plenty of film and make it easy to go through airport security. These side pockets mount on optional accessory belt #AB. Interior dimensions are 6.5 x 12 x 8" (17 x 30 x 20cm) WLH. Weighs 3.8 lbs. (1.7kg).

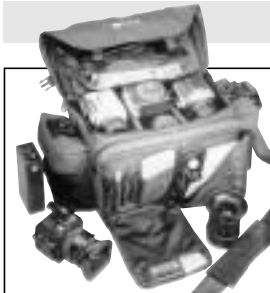


SCM Large Camera Case Black  
Item # F6SCMB .....99.95

SCM Large Camera Case Blue  
Item # F6SCMBL .....99.95

SCM Large Camera Case Gray  
Item # F6SCMG .....99.95

SCM Large Camera Case Green  
Item # F6SCMGR .....99.95



### MFX Medium Format Bag

Designed to carry heavy loads, this case is perfect for medium format equipment. Providing nearly 2,000 cubic inches of space for two camera bodies, several lenses, meter, filters, film and accessories, this case has removable dividers that permits the interior to be customized to meet specific needs. Detachable side pockets hold plenty of film and make it easy to go through airport security. These side pockets conveniently mount on optional accessory belt #AB. Interior dimensions are 8.5 x 14 x 9.5" (22 x 36 x 24cm) WLH. Weighs 5.8 lbs. (2.6kg).

**MFX Medium Format Bag Black**  
**Item # F6MFXB.....144.50**

**MFX Medium Format Bag Gray**  
**Item # F6MFXG.....144.50**

**MFX Medium Format Bag Blue**  
**Item # F6MFXBL.....144.50**

### FC 4x5 Large Format Case

Semi rigid case to accommodate 4x5" view cameras. Made of rugged ABS plastic, closed cell foam and durable cordura nylon, this case provides the ultimate protection for view cameras. Accepts film backs, a Polaroid back, meters and many accessories. Its interior camera support dividers permit customizing the interior layout. Inside dimensions are 10.5 x 21 x 15" (27 x 53 x 38cm) WLH. Weighs 10.5 lbs. (4.8kg).



**FC 4x5 View Camera Case Black**  
**Item # F6FC4X5B.....175.00**

**FC 4x5 View Camera Case Gray**  
**Item # F6FC4X5G.....175.00**

### MFP Medium Format Pouch



Provides speedy access to 2 1/2" backs and inserts. It can be closed by either velcro or zipper. A mesh pocket on front provides convenient storage for dark slides and film. Mounted on optional accessory belt #AB - a must for wedding and commercial photographers on the go. Interior dimensions are 2.3 x 4 x 4.3" (5.7 x 10.1 x 10.8cm). Weighs 2.8 oz. (78g).

**Medium Format Pouch Black**  
**Item # F6MFPB.....24.95**

**Medium Format Pouch Gray**  
**Item # F6MFPG.....24.95**

### Lens Pouches

Velcro to a camera bag or wear on a belt! Compression straps tighten lens into pouch. Tough denier fabric and 1/4" high density padding. Holds lens diameters to 4" (10cm) or 4 3/4" (12cm). Black.

**Lens Pouch 8" H (21cm) (LP)**  
**4" diameter (10cm).**  
**Item # F6LP.....12.95**

**Lens Pouch 11" H (28cm) (LPX)**  
**4 3/4" diameter (12cm).**  
**Item # F6LPX.....18.95**

### TRP Tripod Bag

**TRP Tripod Bag Black**  
40" long case designed to carry tripods. Oversized at one end, it accommodate most tripods without detaching the heads or handles, while a front pocket holds accessories. Interior dimensions are 9.5 x 9.5 x 41" (24 x 24 x 104cm).  
**Item # F6TRP.....29.95**



### SLC Studio Case



**SLC Studio Case Black**  
Semi rigid case holds professional lighting systems. Made of ABS plastic, closed cell foam and cordura nylon. Protects a power pack, several heads and accessories. Rolls easily with 4 casters. Shoulder strap provided. Interior dimensions are 14.5 x 16 x 18" (37 x 41 x 46cm) WLD. Weighs 15 lbs. (6.8kg).  
**Item # F6SLC.....179.95**

### Proline Series 1

Designed with a rigid durable shell and soft inner lining. These cases utilize a divider system to let photographers customize the interior to their own needs. Zipped mesh pockets on the interior top of the case can carry film and small accessories. They can be carried over the shoulder with its quick release strap or as a suitcase with its handle. The inner dimensions are 14 x 17 x 5" (23 x 28 x 8cm) WLH. The outer dimensions are 15 x 22.5 x 7" (25 x 37 x 11cm) WLH.



**CM Proline Case Black (CMB)**  
**Item # F6CMB.....137.50**

**CL Proline Case Black (CLB)**  
**Item # F6CLB.....224.95**

**CM Proline Case Gray (CMG)**  
**Item # F6CMG.....137.50**

**CL Proline Case Gray (CLG)**  
**Item # F6CLG.....224.95**



## ATTACHE, WRAPS, STAND BAGS, POUCHES AND BACKPACKS

### LSB Light Stand Bag

#### LSB Light Stand Bag

A 38" (97cm) long black case carries light stands. A roomy internal pocket will hold umbrellas, while two end zippered pockets hold accessories. Interior dimensions are 7 x 7 x 36" (18 x 18 x 91cm).

**Item # F6LSB.....34.95**



### Accessories

#### Accessory Belt

A 1.5" wide black accessible waist belt. Quick release.

**Item # F6AB .....7.95**

#### Leather Pad (LSP)

Suede covered strap 2.5x8.5" (6.4x21.6cm) provides comfort when carrying heavy loads.

**Item # F6LSP .....9.95**

### LBX Light Box Attache



#### LBX Light Box Attache

For the photographer on the go. This versatile bag accommodates anything from important papers to a laptop computer. Great for carrying client samples or using as a portfolio. Pockets have zippers and provide extra room for accessories. Can be carried by its built-in handle or shoulder strap. Available in black. Interior dimensions are 12 x 16 x 6" (30 x 41 x 15cm) WLH. Weighs 2.5 lbs. (1.1kg).

**Item # F6LBX.....59.95**

### Lens Wraps



The ultimate protection for lenses, cameras and fragile accessories, these wraps are constructed with a tough denier outer shell,  $\frac{3}{16}$  open foam interior, and soft tempo lining to protect the contents. All four corners contain Velcro, allowing any corner to be securely fastened onto another. Available in black.

**Lens Wrap 11" (28cm)**

**Item # F6LW11.....9.95**

**Lens Wrap 15" (38cm)**

**Item # F6LW15 ....11.95**

**Lens Wrap 18g (46cm)**

**Item # F6LW18 ....13.95**

### Filter Pouches

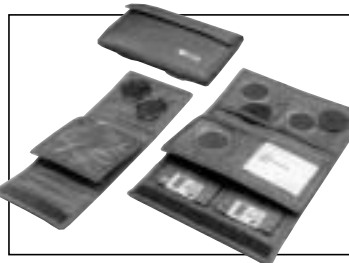
Heavily padded filter pouches are designed to protect and organize all filters (up to 3 $\frac{3}{4}$  x 3 $\frac{3}{4}$ ") They can also be used to hold valuable computer disks. The FC (lower left) has four pockets. The FCX (right and upper left) has eight pockets. Both models, when closed, will fit in most camera bags. Belt loops are provided, allowing both cases to be worn on optional accessory belt #AB. Available in black.

**FC 4-Pocket Filter Case**

**Item # F6FC.....9.95**

**FCX 8-Pocket Filter Case**

**Item # F6FCX.....13.95**



### BACK PACKS

#### BP Back Pack

The BP Backpack will handle formats up to 4x5". Its removable dividers allow the interior layout to be customized to meet specific needs. An innovative support system and low profile allow heavy loads to be carried comfortably for long periods of time without experiencing fatigue. Interior dimensions are 13 x 16 x 6" (33 x 41 x 65cm) WHD. The BP Backpack weighs 4.8 lbs. (2.2kg).



**BP Large Backpack Black**

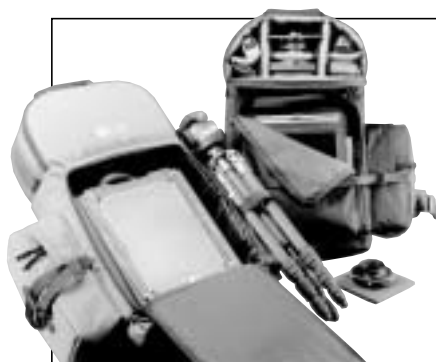
**Item # F6BPB.....119.95**

**BP Large Backpack Gray**

**Item # F6BPG.....119.95**

#### BPX Back Pack

Handles formats up to 8x10". Its removable dividers allow the interior layout to be customized to meet specific needs. An innovative support system and low profile allow heavy loads to be carried comfortably for long periods of time without experiencing fatigue. A hide-a-way rain cover to guard against the weather. Interior dimensions are 14 x 23 x 6" (36 x 58 x 15cm) WHD. Weighs 6.5 lbs. (2.9kg).



**BPX X-Large Backpack Black**

**Item # F6BPXB.....214.95**

**BPX X-Large Backpack Gray**

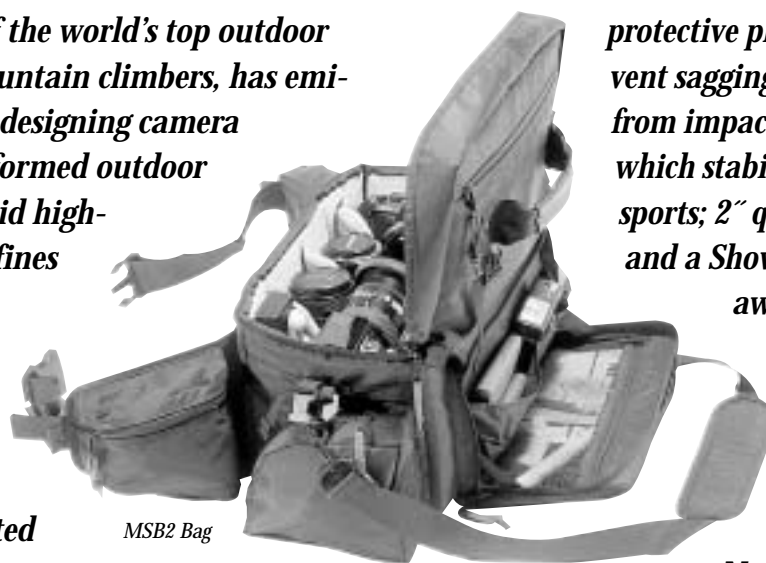
**Item # F6BPXG .....214.95**

# GALEN ROWELL

## OUTDOOR BAGS

*Galen Rowell, one of the world's top outdoor photographers and mountain climbers, has eminent qualifications for designing camera bags. Rowell has transformed outdoor photography into a vivid highly expressive art. He refines his craft through outstanding expeditions to Yosemite, Nepal, Tibet, Patagonia, etc. Over the last two decades, Galen tested dozens of different camera bag designs, searching for the perfect system. By working directly with designers, and after testing many prototypes and modifications, Galen created a superb camera bag system. All his bags are designed for comfort, built for speed and guaranteed for life.*

*Galen Rowell bags feature heavy-duty ballistic nylon with a double-thick polyurethane coating (it is like wrapping your gear with a water and bullet-proof vest); abrasion-free zipper pockets made from soft nylon packcloth; double-sewn #8 self-healing zipper (the zipper automatically repairs any teeth that separate) all-lens bridge, which supports both 35mm and 120mm lenses without any adjustments;*



MSB2 Bag

*protective plastic dividers which prevent sagging and protect the gear from impact; compression straps which stabilize your load for active sports; 2" quick release waist buckle and a Show-All Top, which opens away from you, offering a clear view of equipment and protecting gear from damaging elements, such as sea spray, dust and snow.*

*Now, with the top out of the way, lenses, accessories and film can be changed more quickly, without any inconvenience.*

*With a simple adjustment to the Infinitely Adjustable Velcro Dividers, one camera bag can accommodate many different combinations of equipment, from small and medium format cameras to video, and the light-gray interior allows easy identification of gear.*

*Additional features include extra-thick sliding shoulder pad, heavy-duty black anodized brass release clip and D-ring, removable waist-belt with zipper pockets made of abrasion-free soft nylon packcloth, quick-adjust buckles, and an all-weather zipper flap with rounded corners.*

### MSB 2

An absolutely fantastic bag for multiple format needs, the MSB 2 comes complete with removable waistbelt and shoulder strap. Both provide unmatched support, reducing back strain and improving the ability to shoot for long hours. This bag really works *with* you instead of against you. It features infinitely-adjustable velcro dividers, which velcro directly to a Nylex interior, allowing infinite arrangement of the interior to the particular needs or situation; super-padded drop-front pocket with protective hinge and large contoured side pockets.

MSB2 Modular Shoulder Bag Black with Waist Belt

Interior dimensions: 16" x 8" x 8" (42 x 21 x 21cm) LWH. Weighs 4.4 lbs. (2kg).

Item # GMSB2BW.....114.95



# GALEN ROWELL

## OUTDOOR BAGS

### MWP

Reduces back strain and overall fatigue by transferring 90% of the weight to your legs. By combining the removable waistbelt and removable shoulder strap, the MWP is extremely stable. For better comfort, MWP features a lace-up waistbelt design. This allows the removable waistbelt and camera bag to flex independently to reduce strain, and additional Compression Straps provide extra strength. Additional features include infinitely-adjustable velcro dividers so that interiors can be personalized for different cameras, many lenses and accessories; quick-adjust buckles which allow the quick adjusting waistbelt and shoulder strap to snugly fasten the bag to your body for active shoots and a secure workspace.

#### MWP Modular Waist Pack Black

The interior dimensions are 12 x 7 x 8" (30 x 18 x 19cm) LWH.

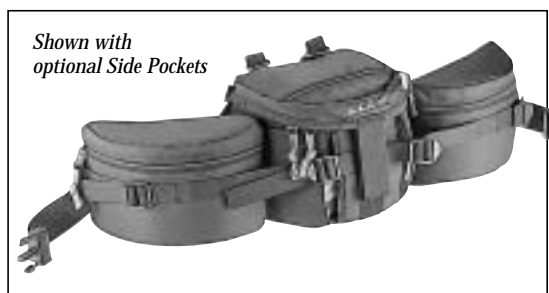
Weighs 3.3 lbs. (1.5kg)

Item # **GAMWP**.....**94.95**



MWP Modular  
Waist Pack Black

### Chestpouch 2



Shown with  
optional Side Pockets

The patented Chestpouch 2 allows the addition and subtraction of weight and equipment, so that the bag never carries too much and is never too heavy. Worn around the waist, hip or upper torso, it is ideal for travel and highly active sports.

With just one hand, the Velcro Closure top can be quickly opened, and camera in hand, shooting can begin in seconds. And, since the Chestpouch is at the center of gravity, it almost goes unnoticed – even during the most extreme shoots, such as rock climbing and horseback riding. They feature velcro closures, which is the fastest way to the camera, together with back-up zipper for extra security. When moving around, or when equipment needs protection from the elements, the back-up zipper is the ultimate safety measure. Your load can be increased with side pockets with compression straps. The quick-adjusting compression straps enable

the bag to expand to hold a motorized Nikon F4 with a lens up to 105mm, or compress to snugly fit any smaller 35mm camera.

#### Chestpouch 2 Black

Chestpouch interior dimensions: 8.5 x 5 x 6" (22 x 13 x 14cm) LWH. Weighs 9 oz. (255g).

Item # **GACPB**.....**29.95**

#### Side Pocket Set of 2 Black

To compliment the Chestpouch 2, MWP and MSB. Fits onto your belt. Perfect for film, filmbacks and Polaroid backs. Interior dimensions: 8.5 x 3 x 4.5" (21 x 8 x 12cm). Weighs just 6 oz. (170g).

Item # **GASPCP**.....**23.95**

#### Chestpouch 2 with 2 Side Pockets. Black.

Item # **GACPSP**.....**49.95**

### Lens Cases

The lens cases are a "must have" accessory for every photographer. They have been known to carry portable phones, water bottles and flashes. The lens cases are designed to fit on the waistbelts of the MSB 2, MWP and Chestpouch 2.

#### 8" Small Lens Case Black

Interior dimensions: 8 x 3.8" (20 x 9.5cm) HW. Weighs 3.1 oz. (88g).

Item # **GALCB**.....**12.95**

#### 10" Large Lens Case Black

Interior dimensions: 11 x 4" (28 x 10.2cm) HW. Weighs 3.8 oz. (108g).

Item # **GALCLB**.....**19.95**



8" Small  
Lens Case.  
right

10" Large  
Lens Case,  
left



# LIGHTWARE

## CASES

*The revolutionary equipment cases that offer enlightening alternatives to traditional hard shells. Lightware cases are the product of years of research and development, created by a working photographer for working photographers. By using Lightware, more energy can be placed into shooting and less into the backbreaking*

*task of carting around valuable equipment. All Lightware cases are designed to carry and protect many times their weight in cameras, lenses, power packs, flash heads, tripods, cords, film holders, film, umbrellas, etc. Lightware cases weigh very little - only three to seven pounds. Compare that to heavy hard shell cases, weighing in at 10 to 30 pounds more.*

*There is a one inch thick inner fortress of Duralight in most Lightware cases. Duralight has the shock resistance to protect your precious cargo in any commercial airline's baggage hold. It is even more shock-resistant than the foam in any hardshell case. All cases are covered with a black colorfast ballistics material. Besides being puncture and abrasion resistant, the material is waterproof, resistant to acids, alkalies, mildew, mold, gasoline, oil and ketones. It is also fire retardant and lighter than water. The cases feature heavy-duty coil zippers with lockable security sliders, double stitched seams and heavy-duty padded handle straps.*



Multi  
Format Cases

### Multi Format Cases

Lightware's unique divider system allows equipment layout to be set up in virtually any design you need. Each multi-format case comes with a set of dividers that are covered with hook and loop compatible foam backed tricot and several strips of adhesive backed hook material. The number of dividers and hook vary depending on the case.

#### Multi Format 912 Case (MF-912)

With dividers. A great size in which to carry a 35mm system, the MF912 works perfectly for a couple of camera bodies, four lenses including a 80-200/2.8, a flash and film. Will also fit any medium format system (a body, 3 to 4 lenses, a few backs and some accessories). Though small, it is built just like other Multi Format cases, including the unique set of dividers and lifetime shell guarantee. Its interior dimensions are 12 x 9 x 6.5" (30 x 23 x 17cm) LWH, and its exterior dimensions are 14 x 10.5 x 11" (36 x 27 x 28cm) LWH. It weighs a mere 3.8 lbs. (1.7kg).

Item # LIMF912.....189.95

#### Multi Format 1015 Case (MF-1015)

With dividers. Designed for the new compact 35mm systems that require fewer lenses by virtue of high quality AF zoom lenses. Will fit a couple of camera bodies, 5 lenses, including a 300/2.8 and an on-camera flash. A camcorder will also fit well, with extra batteries and tapes. It's also perfect for a laptop computer, or a 4x5 field camera system folded down, with lenses and accessories. Its features include an outside pocket, and an optional shoulder strap can be added at any time. It is a very convenient size for a carry on. The interior dimensions are 15 x 10 x 8" (33 x 25 x 20cm) LWH. The exterior dimensions are 17 x 12 x 10" (43 x 30 x 25cm) LWH. Weighs 4.5 lbs. (2kg).

Item # LIMF1015.....229.95

MF-912 and MF-1015 shown  
with optional accessory case

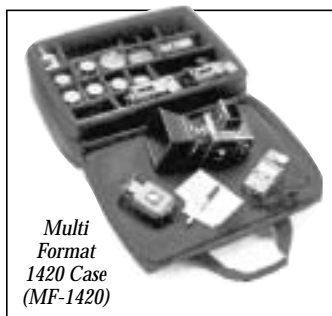


# LIGHTWARE

## MULTIFORMAT CASES

### Multi Format 1217 Case (MF-1217)

With dividers. A perfect case to carry medium format or 35mm camera system on board. Is meant to accommodate the needs of the photographer whose medium format system may not include very many pieces of equipment, or for the 35mm shooter who wants a compact case. Also, an ideal case for a camcorder. Comes with an outside pocket, and an optional shoulder strap may be added at any time. Into back-packing? The 1217 shell will pull out of the cover and can be placed inside of the Jansport Outback, Jansport World Tour, or the REI Eveningstar backpacks. Interior dimensions are 17 x 12 x 6" (43 x 30 x 15cm) LWH, exterior dimensions 19 x 14 x 8" (48 x 36 x 38cm) LWH. Weighs 5.3lbs. (2.4kg).  
**Item # LIMF1217.....229.95**



### Multi Format 1420 Case (MF-1420)

With dividers. The original of the Multi Format cases, it is ideal for carrying strobe systems, medium format and/or 35mm camera equipment. It is also the maximum size allowed to carry on airlines or check it as baggage, with confidence. An optional padded shoulder strap may be added at any time. Into backpacking? The MF1420's interior shell can be put into the BP1420 back pack case. Interior dimensions are 20 x 14 x 6" (50 x 36 x 15cm) LWH, exterior dimensions 22 x 16 x 8" (56 x 41 x 20cm) LWH. Weighs 6.5 lbs. (2.9kg).  
**Item # LIMF1420 .....249.95**

### Light Walker (LW-1422)

Same as Multi Format 1420 case, with built-on roller wheels and retractable handle. Weighs 10.25 lbs. (4.65kg).  
**Item # LILW1422 .....424.95**

### Multi Format 1623 Case (MF-1623)

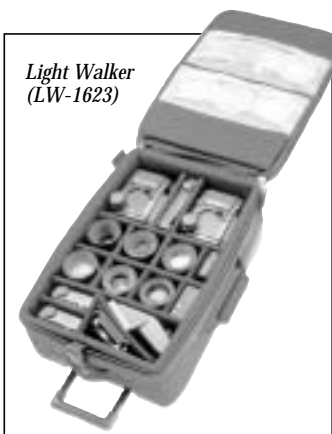


### Multi Format

#### 1623 Case (MF-1623)

With dividers. Too large to be carried on board, it can, however, be checked as baggage with confidence. Has all the same wonderful features as the other Multi Format cases, with the exception of an outside pocket. This size can handle Dyna-Lites, Comets, Balcars, Profotos, Speedotron compact packs, White Lightning Ultras, Sunpaks, LTM Peppers, Omni lights, Normans and anything else that will fit into these dimensions. Interior dimensions are 23 x 16 x 8" (58 x 41 x 20cm) LWH, exterior dimensions 25 x 13 x 10" (64 x 46 x 25cm) LWH. Weighs 10.3 lbs. (4.7kg).

**Item # LIMF1623 .....289.95**



Light Walker  
(LW-1623)

### Light Walker (LW-1623)

Same as the Multi Format 1623 Case with built-on roller wheels and retractable handle. Weighs 13.25 lbs. (6kg).  
**Item # LILW1623.....T.B.A.**

### Travel Kit Case (MF-1629)

With dividers. This is the largest version of the "shell" style cases. Packs in strobes, heads, umbrellas and stands. The dividers can be cut and arranged to fit a vast array of lighting systems. Does not have an outside pocket, but an optional shoulder strap can be added at any time to help bear the load. Designed so that its width can be wheeled through a standard commercial doorway. Interior dimensions are 29x15.5x10" (74x39x25cm) LWH, exterior dimensions 31x17.5x12" (79x44x30cm) LWH, weight 13.3 lbs. (6kg).  
**Item # LIMF1629.....369.95**

### Pocket Pouch (A-9100)

A great accessory pouch with lots-o-pockets. It attaches to the inside of the lid of the Multi Format case for easy access. Exterior dimensions are 19 x 13 x 1" (48 x 33 x 2.5cm) LWH. Weighs .5 lbs. (227g).  
**Item # LIPPQ .....59.50**

### Multi Z Pocket (Z1091)

These pockets attach the multi-format case products. They serve as a mini briefcase to carry papers, folders, magazines, pens, pencils, business cards, and other essential items. It has a detachable mesh film holder. Interior dimensions are 12.5 x 2.5 x 9.5" (31 x 6 x 24cm) LHW. Weighs 1.5 lbs (.7kg) and will fit the MF912, MF1015 and BP1420.  
**Item # LIZ1091 .....96.95**

### Multi Z Pocket (Z1412)

Same as above with an interior dimension of 17 x 2.5 x 11.5" (43 x 6 x 29cm) LHW. Weighs 1.5 lbs (.7kg) and will fit the MF1412.  
**Item # LIZ1412 .....114.50**

### Deluxe Accessory Pocket (A-8080)

A detachable folio briefcase for multi-format cases made prior to June 1996. Dimensions are 16x1.5x11.3" (41x3.8x29cm) LWH.  
**Item # LIAPDMF.....89.95**

### Divider Kit (A-8020)

Two dividers and 12 Velcro strips for MF-1420/1217.  
**Item # LIDKMF .....34.95**

### Deluxe Divider Kit (AD-8030)

Five dividers and 26 Velcro strips for MF-1420/1217.  
**Item # LIDKDMF .....56.50**



Back Pack Case (BP-1420)

### Back Pack Case (BP-1420)

A supplement case to the MF-1420. It accepts the inserts of the MF-1420 enabling the user to exchange the insert between cases without repacking all the gear. Does not come with an insert tote, which can be purchased separately as divider or deluxe divider kits. Exterior dimensions are 17 x 24.5 x 7" (43 x 62 x 18cm), interior dimensions are 24.5 x 14 x 6.5" (62 x 36 x 17cm) LHW. Weighs 5.5 lbs (2.5kg).  
**Item # LIBP1420.....224.95**

### Tote Shell Box (TS1420)

A hard shell which can be inserted into the BP1420. Interior dimensions are 20 x 14 x 6" (50 x 36 x 15cm). Weighs 3 lbs.  
**Item # LITS1420 .....97.50**

### Shoulder Strap (A8010)

A padded shoulder strap. Designed to fit on your shoulder comfortably. Adjustable from 32" to 48".  
**Item # LISS.....26.95**



# LIGHTWARE

## CASES, POUCHES, COVERS

### View Camera Cases

#### View Camera Case (V-4000)

With notched dividers. An ideal case for the Sinar F, Toyo and smaller monorail view cameras. Along with a camera, it can hold film, filmholders, polaroid or head pouches filled with additional lenses and accessories. (The camera rail rests on the dividers upside down and is ready to go.) Since it is identical in size to the Strobe Head case, it can be used for either a view camera or flash heads. Internal dimensions are 21.5 x 8.5 x 15" (55 x 22 x 38cm) LWH, exterior dimensions 24.5 x 11.5 x 18" (62 x 29 x 46cm) LWH. Weighs 9.3 lbs. (4.2kg).

**Item # LIV4000.....284.95**

#### Power View

##### Camera Case (V-4300)

This larger version of the V-4000 case also includes movable dividers. It will hold larger cameras like the Sinar P2 or Horseman LX, Cambo Legend, Linhoff or Arca Swiss and all similar monorail or off-axis 4x5 view cameras. Interior dimensions are 24 x 12 x 18" (61 x 30 x 46cm) LWH, exterior dimensions 27 x 15 x 21" (69 x 38 x 53cm) LWH. Weighs 12 lbs. (5.4kg).

**Item # LIV4300.....399.50**

#### Multi View Camera Case (V-4001)

For the ultra-serious location photographer. Fits just about any 4x5 camera. The camera rests in a special removable "cradle" which is designed to hold the camera rail securely in place. The compartments on either side can be filled with extra lenses and accessories. Additional dividers cushion smaller sized cameras. A large case, but it can be shipped with complete confidence. Interior dimensions are 24 x 14.5 x 18" (61 x 37 x 46cm) LWH, exterior dimensions 27 x 17.5 x 21" (69 x 43 x 53cm) LWH. Weighs 14.5 lbs. (6.6kg).

**Item # LIV4001.....439.95**



### Folio Covers

Folio covers are handsome padded carrying covers that fit snugly around archival presentation boxes. They come with a handy velcro closure handle and will cover 16x20, 11x14 and 8x10 archival presentation boxes. They can also be used as soft side briefcases, film bags, stuff sacks or folios, to be filled with whatever the imagination chooses. An optional padded shoulder strap may be added to any one of these covers.

#### 8 x 10 Folio Cover (PC810)

Interior dimensions: 10.8 x 8.8 x 2.3" (27 x 22 x 6cm).

**Item # LIFC810.....59.50**

#### 11 x 14 Folio Cover (PC1114)

Interior dimensions: 14.8 x 11.8 x 2.3" (37 x 30 x 6cm).

**Item # LIFC1114.....68.50**

#### 16 x 20 Folio Cover (PC1620)

Interior dimensions: 20.8 x 16.8 x 2.3" (53 x 43 x 6cm).

**Item # LIFC1620.....77.50**

### Lighting Cases

#### Headstrobe Case T444 (T4444)

Designed to hold and protect 4 strobe heads, the T444 can also accommodate other items. It will fit 4 Speedotron 102 Heads, 4 Norman LH2400, 4-5 photogenic powerlights, 2 Dynalite M2000X packs with 4 heads, 4 Elinchrome monolites or other lighting packs and accessories. Interior Dimensions 28 x 8.5 x 15" (45.5 x 21.7 x 38cm) LWH, Exterior Dimensions - 31 x 11 x 18" (79 x 28 x 45.5cm), Weighs 11.25 lbs.

**Item # LIT4444.....339.95**

#### Speedpack Case (S-1010)

Sized for the Speedotron 4803, this case also fits the Speedotron 812, 1205, 2401B, 2403 or 2405, a Broncolor Pulso 2 or 4 power supply, or two Bowens Monolights. The interior dimensions are 14.5 x 9 x 16.3" (37 x 23 x 41cm) LWH. The exterior dimensions are 17.5 x 12 x 19.3" (44 x 30 x 49cm) LWH. The Speedpack weighs 7.5 lbs. (3.4kg).

**Item # LIS1010.....254.95**

#### Strobe Head Case (T-3040)

For strobe heads such as Elinchrom, Speedotron, Norman or Broncolor, it works for several small heads, like 6 Comet CX heads plus accessories, or 9 Norman flash heads. (Comes with 2 movable dividers. Its internal dimensions are 21.5 x 8.5 x 15" (55 x 22 x 38cm) LWH, and its external dimensions are 24.5 x 11.5 x 18" (62 x 29 x 46cm). Weighs 9.3 lbs. (4.2kg).

**Item # LIT3040.....284.95**

### Head Pouches

Head Pouches are designed to be used inside the Cargo and View Camera cases. They can be hand carried, or worn over the shoulder if fitted with a Lightware shoulder strap. Just like the Cargo Cases, Head Pouches are made of half-inch Duralight closed-cell foam. With a little imagination, many uses can be found for these lightweight and versatile pouches.



#### Small Head Pouch (H7010)

A great way to carry smaller flash heads, film holders, CC filters or 4x5 lenses. Interior dimensions are 9 x 5 x 5" (23 x 12.7 x 12.7cm) LWH, exterior dimensions 10 x 6 x 6". Weighs 12 oz. (340g).

**Item # LIH7010.....62.95**

#### Large Head Pouch (H-7020)

Fits larger flash heads like Speedotron, Broncolor, Elinchrom or small sized strobe units. Great for film holders and 4x5 lenses, too. Interior dimensions: 12.5 x 7 x 7" (32 x 17.8 x 17.8), external dimensions: 14 x 8 x 8" (35x20x20cm) LWH. Weighs 24oz. (680g).

**Item # LIH7020.....77.50**

# LIGHTWARE

## CASES

### Power Kit Cases

An easy way to transport your lighting equipment. Built with an internal, super lightweight structure of GE Lexan, they are then covered with shock absorbent cell foam with padded hook and loop compatible tricot. This is all encapsulated in the standard shell of puncture and abrasion resistance ballistics fabric.

Power Kit 1200 (PK-1200) **Item # LIPK1200.....229.95**

Power Kit 1600 (PK-1600) **Item # LIPK1600.....299.95**

Power Kit 1400 (PK-1400) **Item # LIPK1400.....249.95**

Power Kit 1800 (PK-1800) **Item # LIPK1800.....349.95**

#### Power Kit Divider (A-1800V)

An extra divider that can be cut down. Fits all Power Kit cases. Size 1 x 7 x 18" (2.5 x 18 x 46cm).

**Item # LIDVPK.....19.95**

### POWER PACK SPECIFICATIONS

Power Kit	1200	1400	1600	1800
Includes Dividers	1	2	2	3
Interior Dimensions L.W.H.	14x7x12" (36x18x30cm)	19.3x7x14.5" (49x18x37cm)	26.8x7x16" (68x18x41cm)	28.5x7x18" (72x18x46cm)
Exterior Dimensions L.W.H.	17x10x15" (43x25x38cm)	22.8x10x17.5" (58x25x44cm)	29.8x10x19" (76x25x48cm)	31.5x10x21" (80x25x53cm)
Weight	5.3 lbs. (2.4kg)	8 lbs. (3.6kg)	11 lbs. (5kg)	12 lbs. (5.4kg)

### Cargo Cases

For equipment with a special shape. These extra light, super strong cases have pliable .5" Duralight foam at their core. What a wonderful way to lighten up all



location work. Cargo cases are made to carry all sorts of equipment that are not particularly delicate, such as light stands, tripods, booms, umbrellas and power cables, portable lightbanks, head extension cables, clips, tape, diffusion materials, tools, black velvet, air, grids, barn doors, gels and reflectors. If flash heads or smaller strobe power supplies need to be carried in a Cargo case, pack them first inside a Head Pouch, then slip them into the Cargo.

24" Cargo Case (C6024) **Item # LIC6024.....119.95**

42" Cargo Case (C6042) **Item # LIC6042.....169.95**

32" Cargo Case (C6032) **Item # LIC6032.....139.95**

52" Cargo Case (C6052) **Item # LIC6052.....209.95**

#### Rolling Cargo (RC1042)

Similar to the traditional 42" cargo case but with in-line skate wheels and ABS plastic kick plate. Flip lid opening with interior TrapPack storage compartment. Reflective webbing and foam rubber side handles.

**Item # LIRC1042.....T.B.A.**

### Cargo Cases, Podpack, Tripod Slingback and Stand Sock

#### 38" Flip Lid Cargo Case (C6037)

For carrying only a few stands, soft boxes, umbrellas or a tripod. Made with a .5" Duralight construction with a 3-sided zipper opening, creating the flip lid. Its length will accommodate most stands and tripods, and its trim girth is easy to handle. 38".

**Item # LIC6037.....159.95**

#### 50" Flip Lid Cargo Case (C6050)

Same as above, but 50".

**Item # LIC6050.....194.50**

#### 62" Flip Lid Cargo Case (C6062)

Same as above, but 62".

**Item # LIC6062.....236.50**



Podpack (C6039)

#### Podpack (C6039)

Built with a special slim gusset that provides the central compartment with plenty of space to accommodate a large tripod, stands, soft boxes or umbrellas. Though not padded, it does have two padded interior sling pockets designed to keep stands, soft boxes or umbrellas separate and protected. Two outside lockable stash pockets are added for accessories.

**Item # LIC6039.....129.95**

#### Tripod Slingback (C6099)

A hefty padded ballistic bag, made to accommodate a tripod up to 40" in length. Outside dimensions are 40 x 11 x 11" LWH. Weighs 1 lb.

**Item # LIC6099.....62.95**

#### Stand Sock (C6038)

A soft padded case to hold one lightstand up to 37". Outside dimensions are 38 x 5.75 x 5" LWH. Weighs .25 lb.

**Item # LIC6038.....24.95**

### CARGO, ROLLING CARGO, FLIP-LID CARGO AND PODPACK SPECIFICATIONS

Case	24"	32"	42"	52"	Rolling Cargo	38" Flip Lid	50" Flip Lid	62" Flip Lid	Podpack
Interior Dim.	23.5x11x11"	31.5x11x11"	40.5x11x11"	48.5x11x11"	41.25x12.25x6"	38x8x7.5"	50x8x7.5"	62x8x7.5"	39x4.5x10"
L.W.H.	(60x28x28cm)	(80x28x28cm)	(103x28x28cm)	(123x28x28cm)	(103x31x15cm)	(97x20x19cm)	(127x20x19cm)	(157x20x19cm)	(99x11x25cm)
Exterior Dim.	24x12x12"	32x12x12"	42x12x12"	52x12x12"	42.5x15x10.25"	39x9x8.5"	51x9x8.5"	63x9x8.5"	39.5x5x10.5"
L.W.H.	(61x30x30cm)	(81x30x30cm)	(107x30x30cm)	(132x30x30cm)	(108x38x26cm)	(99x23x22cm)	(131x23x22cm)	(160x23x22cm)	(100x13x64cm)
Weight	3.5 lbs. (1.6kg)	4.5 lbs. (2kg)	5 lbs. (2.3kg)	6.3 lbs. (2.9kg)	16.25 lbs. (7.4kg)	3.5lbs. (1.6kg)	4.5 lbs. (2kg)	5.8 lbs. (2.6kg)	3.8 lbs. (1.7kg)



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# LIGHTWARE

## CASES

### Soft Side Cases

Carry equipment around in the luxury of an extra lightweight case. Great for the photographer who does not necessarily need the protection of Lightware's standard cases and either carries equipment on board an airplane, or just travels "around town". Made of .5" Duralight, the unique design allows unzipping the case to lie completely flat to be used as a work surface, or can be folded flat for compact storage.

**Speedpack Soft Side Case (Z5010)**  
**Item # LIZ5010.....118.95**

**Compact Soft Side Case (Z5030)**  
**Item # LIZ5030.....118.95**

**Uni Kit Case (Z5200)**  
 A soft-sided compact case for Dyna-Lite Uni Kit or similar system. Padded dividers keep heads separate and a shelf divider is provided for stands and umbrellas.  
**Item # LIZ5200.....157.95**

**Mid Size Soft Side Case (Z5020)**  
**Item # LIZ5020.....118.95**

**Deluxe Soft Side Kit Case (Z5060)**  
**Item # LIZ5060.....212.50**

### SOFT SIDE SPECIFICATIONS

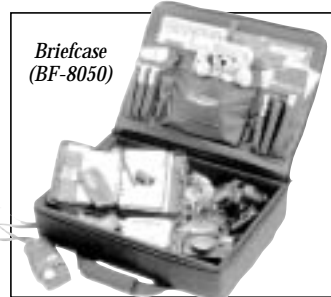
Case	Z5010	Z5020	Z5030	Z5060	Z5200
Interior Dim. L.W.H.	15 x 9 x 14.5" (38 x 23 x 37cm)	17 x 7 x 10.5" (43 x 18 x 27cm)	14 x 8.5 x 10.5" (36 x 22 x 27cm)	31 x 7 x 12" (79 x 18 x 30cm)	22 x 7 x 14.5" (56 x 18 x 37cm)
Exterior Dim. L.W.H.	16 x 10 x 15.5" (41 x 25 x 39cm)	18 x 8 x 11.5" (46 x 20 x 29cm)	15 x 9.5 x 11.5" (38 x 24 x 29cm)	32 x 8 x 13" (81 x 20 x 33cm)	23 x 8.5 x 15.5" (58 x 22 x 39cm)
Weight	3 lbs. (1.4kg)	2.5 lbs. (1.1kg)	2 lbs. (.9kg)	6 lbs. (2.7kg)	4 lbs. (1.8kg)

### Attache and Portfolio Cases

**Courier Briefcase (BF1250)**  
 The Courier Briefcase is designed with plenty of compartments. It's roomy, yet manageable enough to sling over the shoulder when on the go. The fold-over flap design allows easy access to a number of pockets, pouches and zippered compartments. Just about everything, from a laptop computer to business cards, can be easily organized in this array of pockets. In addition, the protective flap, which also has a spacious zippered compartment, can be buckled and cinched down securely. And the main compartment is designed to grow with the photographers needs too! With a zip of a zipper this compartment becomes almost twice as big to carry bulkier items. The courier can be carried by its leather handle or padded shoulder strap.  
**Item # LIBF1250.....133.50**

**Laptop Courier Briefcase (BF1280)**  
 Similar to the Courier Briefcase with two inner and two outer compartments. The outer compartments are 11 x 8 x 13" (29 x 20 x 33cm) LWH.  
**Item # LIBF1280.....169.95**

**Small Format Attache (SA-4030)**  
 Comes with prediced foam that can be plucked to fit any 35mm camera and other accessories. For 4x5 film holders, film, light-meters, filters or a camcorder.  
**Item # LISA4030.....149.50**



Briefcase (BF-8050)

**Briefcase (BF-8050)**  
 Spacious briefcase fitted with an abundance of pockets and a roomy central compartment to stuff in beefier items. For easy accessibility, there are two exterior pockets to fit magazines and airplane tickets, as well as a shallow zippered pocket for keys or sunglasses.  
**Item # LIBF8050.....157.95**

**Notebook Briefcase (BF-1051)**  
 Will fit a Macintosh Power Book, extra battery, charger and other accessories. Constructed of Lexan and I core, and built just like the Multi Format cases: strong enough to stand on, yet light enough to carry in comfort. Has many pockets and pouches, a business card pocket, two closeable pockets for 3.5" disks and two external pockets for tickets and magazines.  
**Item # LIBF1051.....199.95**



Portfolio Cases

**8x10 Portfolio Case (P8030)**  
 Portfolio Cases, which are very stylish, come with a leather card holder and a handy inside lid lock for tear sheets, reprints or a letter. Lined with a cushy soft tricot fabric to protect the portfolio pieces. Fits perfectly inside an overnight express box.  
**Item # LIP8030.....93.50**

**11x14 Portfolio Case (P8040)**  
 Fits in an overnight express box.  
**Item # LIP8040.....105.95**

**16x20 Portfolio Case (P8060)**  
**Item # LIP8060.....139.95**

### COURIER, ATTACHE & PORTFOLIO CASE SPECIFICATIONS

Case	BF-1250	BF-1280	SA-4030	BF-8050	BF-1051	P-8030	P-8040	P-8060
Interior Dim. L.W.H.	17.3 x 2.4 x 11.5" (44 x 5.10 x 29cm)	17.25 x 3 x 11" (44 x 8 x 28cm)	18.3 x 13 x 4.8" (46 x 33 x 12cm)	18.3 x 13 x 4" (46 x 33 x 10cm)	19 x 11.5 x 4" (48 x 29 x 10cm)	10.5 x 8.5 x 2" (27 x 22 x 5cm)	14.5 x 11.5 x 2" (37 x 29 x 5cm)	20.5 x 16.5 x 2" (52 x 42 x 5cm)
Exterior Dim. L.W.H.	18 x 2.4 x 12" (46 x 5.10 x 31cm)	18.5 x 5.5 x 12.5" (47 x 14 x 32cm)	20 x 14 x 5.5" (50 x 36 x 14cm)	20 x 14 x 5" (50 x 36 x 13cm)	21 x 13.25 x 5.75" (53 x 34 x 15cm)	11.5 x 9 x 3" (29 x 23 x 8cm)	15.5 x 12 x 3" (39 x 30 x 8cm)	21.5 x 17 x 3" (55 x 43 x 8cm)
Weight	2.5 lbs. (1.1kg)	3 lbs. (1.4kg)	4.5 lbs. (2kg)	3.75 lbs. (1.7kg)	4.5 lbs. (2kg)	1 lb. (450g)	2 lbs. (907g)	3 lbs. (1.4kg)

# LIGHTWARE

## CASES, COVERS

### Lens Cases and Z Camera Holder



Fits 300mm f/2.8, 400mm f/2.8 and 600mm f/4 long lenses. A zippered flip lid with a detachable interior zippered pocket accepts camera bodies, film or accessories. Comes with a quick-release Fastex buckle and a permanent adjustable shoulder strap. There are external pockets on 3 sides of each case for various papers and press passes, or up to three attachable Z•pockets. An adjustable strap to hold a monopod. Each case is made of .25" Duralight Foam construction and covered with waterproof ballistics fabric (the cases are water-resistant). The Z•Pocket is an attachable and detachable padded camera pocket that fits most 35mm bodies, including the Nikon F4 and Canon EOS with motor drives. It attaches directly to any or all 3 sides of the Long Lens case.

Long Lens 300 Case (Z-300)  
Item # LIZ300.....134.95

Long Lens 400 Case (Z-400)  
Item # LIZ400.....152.95

Long Lens 600 Case (Z-600)  
Item # LIZ600.....169.95

Z•Pocket (Z-100)  
Item # LIZ100.....62.95

### LENS CASE and 2-POCKET SPECIFICATIONS

Case	Z-300	Z-400	Z-600	Z-100
Interior Dimensions L.W.H.	6 x 5.5 x 11" (15 x 14 x 28cm)	7.3 x 7.3 x 15" (18 x 18 x 38cm)	7.5 x 7.5 x 18.5" (19 x 19 x 47cm)	5.5 x 2.3 x 7" (14 x 6 x 18cm)
Exterior Dimensions L.W.H.	7.5 x 8 x 15" (19 x 20 x 38cm)	9 x 9 x 18.5" (23 x 23 x 47cm)	9.5 x 9.5 x 23" (24 x 24 x 58cm)	7.3 x 3.5 x 8.5" (18 x 9 x 22cm)
Weight	2 lbs. (907g)	3 lbs. (1.4kg)	4 lbs. (1.8kg)	1 lb. (450g)

### Ugly Covers

These rugged covers zip around Lightware MF-1217, MF-1420 or MF-1623 cases to protect their pretty hides from the grime and scratches of travel. They happen to fit around Zero aluminum cases, as well. And best of all, they will also disguise cases from thieves. Splatter them, spray them, glob them, or stencil on graphics. Show the world just what ugly is.

Small Ugly Cover (UG-105)  
Fits Zero Halliburton #105.  
Dimensions are 21x6.5x13" (53x17x33cm) LWH.  
Item # LIUCS.....62.95

Medium Ugly Cover (UG-106)  
Fits Zero Halliburton #106.  
Dimensions are 21x7x17.5" (53x18x44cm) LWH.  
Item # LIUCM .....69.95

Large Ugly Cover (UG-110)  
Fits Zero Halliburton #110.  
Dimensions are 26x9x18" (66x23x46cm) LWH.  
Item # LIUCL.....79.95



### Airfreight Cases



Lightware Airfreight Trunk cases are designed with a 2" Duralight foam construction and are built tough enough to safely meet heavy-duty airfreight shipping requirements.

1623 Airfreight Trunk Case (TR-1623)  
Designed specifically to fit a Multi Format 1623 case and give it max. shipping protection.  
Item # LITR1623...356.95

1420 Airfreight Trunk Case (TR-1420)  
The MF-1420 will slip into this protective airfreight case and be protected during transit.  
Item # LITR1420...356.95

View Camera Airfreight Trunk Case (TR-9000)  
Identical in size to the TR-1623 with two movable dividers on which the camera rail rests.  
Item # LITR9000...364.95

### AIRFREIGHT SPECIFICATIONS

Model	TR1623	TR1420	TR900
Interior Dimensions L.W.H.	25 x 11 x 18.5" (64 x 28 x 47cm)	22.3 x 7.5 x 14.8 (57 x 19 x 37cm)	25 x 11 x 18.5" (64 x 28 x 47cm)
Exterior Dimensions L.W.H.	30 x 16.3 x 23.5" (14 x 41 x 60cm)	27.3 x 12.5 x 19.8" (69 x 32 x 50cm)	30 x 16.3 x 23.5" (76 x 41 x 60cm)
Weight	11.5 lbs. (5.2kg)	8 lbs. (3.6kg)	11.5 lbs. (5.2kg)

# LIGHTWARE

## CASES AND ACCESSORIES

### Light Duffles

Strong, lightweight, unpadded duffles for various gear. Made to hold photographer's or videographer's miscellaneous equipment such as tape, cables, gaffers accessories, etc. Consists of a one main and two end zippered compartments. Exterior mesh pocket on front and back. Padded carry handle and non-clip shoulder strap.



**Light Duffle Small** (LD3100)  
Dimensions: 22.5 x 11 x 12.5"  
(57 x 28 x 32cm).  
**Item # LILD3100.....139.95**

**Light Duffle Medium** (LD4100)  
Dimensions: 27 x 12.5 x 13" (69 x  
32 x 33cm).  
**Item # LILD4100.....153.95**

**Light Duffle Large** (LD5100)  
Dimensions: 35 x 15.5 x 15" (89  
x 39 x 38cm).  
**Item # LILD5100.....169.95**

### Long Lens Shipping Case and Z Life Preservers

Built to protect your 300, 400, 500, or 600mm long lens. When used with the foam Z Life preservers, your lens will arrive safely to its destination.

**Long Lens Shipping Case** (Z1328)  
Exterior Dimensions: 27 x  
11.75 x 14" (69 x 30 x 36cm)  
LWH. Interior Dimensions: 24  
x 9 x 12" (61 x 23 x 30cm)  
LWH. Weight: 9 lbs. (4.1kg)  
**Item # LIZ1328.....T.B.A.**

**Z Life Preserver 400mm** (Z4401)  
Fits 400mm lens.  
**Item # LIZ4401.....T.B.A.**

**Z Life Preserver 500mm** (Z5501)  
Fits 500mm lens.  
**Item # LIZ5501.....T.B.A.**

**Z Life Preserver 300mm** (Z3301)  
Fits 300mm lens.  
**Item # LIZ3301.....T.B.A.**

**Z Life Preserver 600mm** (Z6601)  
Fits 600mm lens.  
**Item # LIZ6601.....T.B.A.**

### Filter and Tool Wallets

Extremely well made wallets. The 8100 and 8101 will hold filters, 3.5" computers discs and other small flat accessories. The GF4545 will hold four 4x5 filters. The 8700 has three zippered see-through compartments to hold small tools and other small accessories.

**6-Pocket Filter Wallet** (A8101)  
The open dimensions are 14.5  
x 10.5 x .25" (37 x 27 x .64cm)  
LWH., and its dimensions  
closed are 13.5 x 5.5 x .5"  
(34 x 14 x 1.3cm) LWH.  
**Item # LIFW6.....39.95**

**Graduated Filter  
File Wallet** (GF4545)  
Dimension Open: 12 x 10.5 x  
.25" (37 x 27 x .64cm) LWH.  
Dimension Closed: 12 x 5 x .5"  
(34 x 14 x 1.3cm) LWH.  
**Item # LIGF4545.....39.95**

**9-Pocket Filter Wallet** (A8100)  
Dimension Open: 14.5 x 16.5  
x .25" (37 x 42 x .64cm) LWH.  
Dimension Closed: 13.5 x 5.5 x  
.5" (34 x 14 x 1.3cm) LWH.  
**Item # LIFW9.....39.95**

**Tool Kit Wallet** (A8700)  
Dimension Open: 13.5 x 16.5 x  
.25" (34 x 42 x .64cm) LWH.  
Dimension Closed: 13.5 x 5.5 x  
.5" (34 x 14 x 1.3cm) LWH.  
**Item # LIA8700.....53.95**

### Miscellaneous Accessories

**Luggage Cart Case** (RX1927)  
A protective case made to hold  
your Ruxxac standard cart dur-  
ing airline travel.  
**Item # LIRX1927.....T.B.A.**

**CoolPack** (A1202)  
An insulated bag filled with  
blue ice made to hold cool 20  
rolls of 35mm or 120 film.  
**Item # LIA1202.....T.B.A.**

**Pod Locks** (A2030)  
Package of 4. An elastic cord  
will hold your tripod legs,  
lightstand legs or lighting silk  
frames together.  
**Item # LIA2030.....19.95**

**6" Cinch Locks** (A20206)  
Package of 6. An elastic slip  
cord great for properly secur-  
ing cables, lighting silks, etc.  
**Item # LICL6.....19.95**

**8" Cinch Locks** (A20208)  
**Item # LICL8.....19.95**

**10" Cinch Locks** (A202010)  
**Item # LICL10.....19.95**

**12" Cinch Locks** (A202012)  
**Item # LICL12.....19.95**

**Monopod Pad** (MP1000)  
A handy shoulder pad with  
loop which wraps around your  
monopod.  
**Item # LIMP100.....9.95**

**Waterproof Tough Tote** (WS9000)  
Made of a durable hypalon  
material with welded seams.  
This bag will keep all its con-  
tents dry and moisture free.  
Size: 32 x 8.5 x 26.5" (81 x 13 x  
67cm) LWH. Weight: 3 lbs.  
(1.4kg).  
**Item # LIWS9000.....159.95**

**Rain Cover** (RC100)  
Made to keep cameras with  
lenses between 300-600mm dry  
in inclement weather. Com-  
fortable to work under it and  
will keep your head dry.  
Size: 39 x 24.5" (99 x 62cm)  
LW. Weighs 5.4 ozs. (153g).  
**Item # LIRC100.....49.95**

### Hotlight Cases

Designed for videographers  
and cinematographers to carry  
their lights on location. They  
are made of the same material  
as the Multiformat 1623 and  
Travel Case MF1629. The  
interior is foil lined and flame  
retardant, enabling you to pack  
up your equipment after  
shooting.

**Hotlight Case** (VF1623)  
Interior dimensions are 23 x 16  
x 8" (58 x 41 x 20cm) LWH,  
exterior dimensions 25 x 13 x  
10" (64 x 46 x 25cm) LWH.  
Weighs 10.3 lbs. (4.7kg).  
**Item # LIVF1623.....356.95**

**Hotlight Case** (VF1629)  
Interior dimensions are  
29x15.5x10" (74x39x25cm)  
LWH, exterior dimensions  
31x17.5x12" (79x44x30cm)  
LWH, weight 13.3 lbs. (6kg).  
**Item # LIVF1629.....407.95**



**All items are complete with all accessories as supplied by the manufacturer**



# LIGHTWARE

## GRIP STRIP AND ACCESSORIES

For the times that you can't set your photo equipment down, the Grip Strip is the answer. This belt system accepts up to 5 pouches which clip onto the belt and hold a variety of items.

**Padded Grip Belt** (GS4000)  
This padded belt is made to hold the Lightware pouches via quick release buckles. 33-55 x 4." (84-140 x 10cm) LWH.  
**Item # LIGBP.....39.95**

**Trim Grip Belt** (GS4001)  
Lightweight unpadded and smaller than the GS4000. 33-55 x 2.25." (84-140 x 6cm) LWH.  
**Item # LIGBT.....39.95**

**Extension Belt** (GS4002)  
13.5 x 2." (34 x 5cm) LWH.  
**Item # LIEB.....13.95**

**Padded Lens Pouch (Small)** (GS200)  
With snap clips and side pockets for small accessories. 3.5 x 2.75 x 5.5" (9 x 7 x 14cm) LWH.  
**Item # LIPPS.....46.95**

**Padded Lens Pouch (Medium)** (GS201)  
Same as above, 4 x 3 x 8" (10 x 8 x 20cm) LWH.  
**Item # LIPPM.....49.95**

**Padded Lens Pouch (Large)** (GS202)  
Same as above, 4.5 x 3.5 x 9" (11 x 13 x 23cm) LWH.  
**Item # LIPPL.....49.95**

**Soft Fleece Lens Pouch (Small)** (GS100)  
Accommodates lenses and other accessories and closes via a draw string. 3.5 x 3.5 x 7.25" (9 x 9 x 18cm) LWH.  
**Item # LIPFSS.....24.95**

**Soft Fleece Lens Pouch (Medium)** (GS101)  
Same as above, 4 x 4 x 9.25" (10 x 10 x 23cm) LWH.  
**Item # LIPFSM.....29.95**

**Soft Fleece Lens Pouch (Large)** (GS102)  
4.5 x 4.5 x 12" (11 x 11 x 30cm) LWH.  
**Item # LIPFSL.....34.95**

**Soft Fleece Lens Pouch (X-Large)** (GS103)  
8 x 7 x 15" (20 x 18 x 38cm) LWH.  
**Item # LIPFSXL.....39.95**

**Meter Case (Small)** (GS300)  
Holds light meters, flashes, cellular phones and other items of similar size. Interior Dimensions: 3.25 x 2.5 x 6.25" (8 x 6 x 16cm) LWH.  
**Item # LIMCS.....37.95**

**Meter Case (Medium)** (GS301)  
Same as above, 3.5 x 2.5 x 7.75" (9 x 6 x 20cm) LWH.  
**Item # LIMCM.....38.95**

**Meter Case (Wide)** (GS302)  
Same as above, 4.75 x 2.5 x 7.75" (12 x 6 x 20cm) LWH.  
**Item # LIMCW.....39.95**

**Water Bottle Pouch** (GS600)  
Will hold a water bottle or aluminum coffee mug holder (not included). Its interior dimensions are 3.75 x 2.5 x 6.5" (10 x 6 x 17cm) LWH.  
**Item # LIWB.....26.95**

**Polaroid Back Pouch** (GS700)  
Accepts a Polaroid 545 back or a 4x5 Readyload back. Comes with 2 pen holders. 5.5 x 1.5 x 7" (14 x 4 x 18cm) LWH.  
**Item # LIPFBP545.....39.95**

**Multi Polaroid Back Pouch** (GS701)  
Holds 35mm or medium format Polaroid backs. Comes with 2 pen holders. 4.5 x 1.5 x 4.25" (11 x 4 x 10cm) LWH.  
**Item # LIPFMB.....39.95**

**Filter/CD Pouch** (GS900)  
Similar to the Press Pass, but it will accept filters or CDs. Dimensions are 5.5 x 1 x 6.5" (14 x 2.5 x 17cm) LWH.  
**Item # LIPFZ.....44.95**

**35mm Body Pouch** (GS1000)  
Made to hold a 35mm body. Comes with a carry case and shoulder strap. 6.5 x 3 x 6.75" (17 x 8 x 17cm) LWH.  
**Item # LIPB.....48.50**

**Grip Bag Padded** (GS2000)  
Holds small 35mm cameras. 6.5 x 3.25 x 6." (17 x 8 x 15cm) LWH.  
**Item # LIGBPQ.....T.B.A.**

**Grip Bag Unpadded** (GS2001)  
For small items that don't need as much protection. 6.5 x 3.25 x 6." (17 x 8 x 15cm) LWH.  
**Item # LIGB.....53.95**

**Raw Film/Trash Pouch** (GS3000)  
4 x 3.5 x 7." (10x9x18cm) LWH.  
**Item # LIPFJ.....32.95**

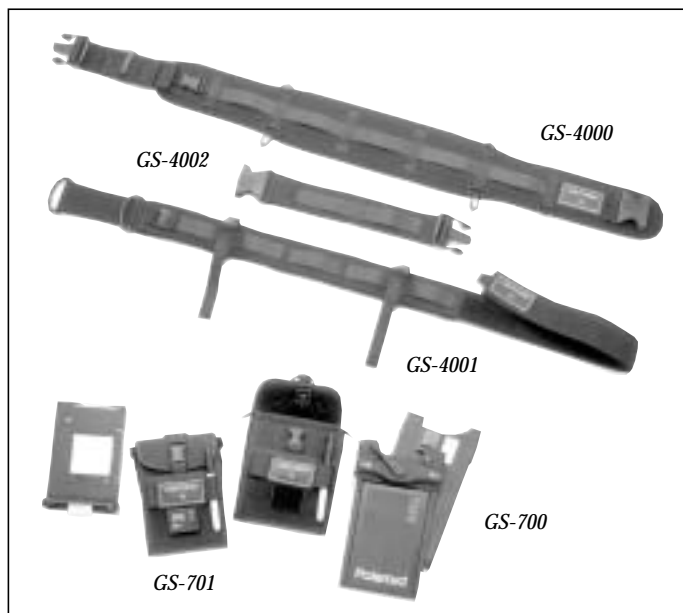
**Shoulder Strap** (GS5000)  
Allows for attaching any of the grip strip pouches made with metal hardware.  
**Item # LISSQ.....T.B.A.**

**Flat Stash Pouch (Small)** (GS6000)  
Holds thin items such as filters, film holders and Polaroid backs. 6 x 6" (15 x 15cm) LWH.  
**Item # LIPFSSQ.....24.95**

**Flat Stash Pouch (Medium)** (GS6001)  
Same as above, 8 x 8" (20 x 20cm) LWH.  
**Item # LIPFSMQ.....27.95**

**Flat Stash Pouch (Large)** (GS6002)  
Same as above, 10 x 10" (25 x 25cm) LWH.  
**Item # LIPFSLQ.....29.95**

**2-Way Radio Pouch** (GS7000)  
Accepts 2-way radios to allow communications when necessary. 3.25 x 1.75 x 6.5" (8 x 4 x 17cm) LWH.  
**Item # LIRP.....T.B.A.**



**Raw Film Pouch** (GS400)  
Holds unexposed film. 4 x 3.5 x 8.25" (10 x 9 x 21cm) LWH. Snap clip closure.  
**Item # LIF.....39.95**

**Exposed Film Pouch** (GS401)  
Same as above with drawstring.  
**Item # LIPFQ.....39.95**

**Film Back Pouch** (GS500)  
Holds medium format backs. 5 x 2.5 x 6.25" (13 x 6 x 16cm) LWH.  
**Item # LIPFB.....39.95**

**Press Pass Deluxe Pouch** (GS800)  
Holds your press pass and pens. Also accepts a notepad. Includes a neck strap (does not mount on belt). 5.5 x 1 x 6.75" (14 x 2.5 x 17cm) LWH.  
**Item # LIPPD.....39.95**

**Press Pass Standard** (GS801)  
Holds your press pass pad and pens. Includes a neck strap (does not mount on belt). 5.5 x 2.5 x 9.25" (14x6x23cm) LWH.  
**Item # LIPC.....19.95**

*Award-winning cinema photographer and mountaineer Greg Lowe developed the first padded nylon photographic bag. He needed a carrying system that would protect his delicate cine equipment while he worked in the most extreme environments. The bag had to be weatherproof, it had to protect his gear from the bumps and crashes of mountaineering, and it had to be easy to carry and use.*

*Lowe pro camera bags and packs have been designed to satisfy Greg's stringent requirements – the same essentials demanded by pros whether they are working on mountain summits or big-city streets. Lowe pro is committed to designing and manufacturing the finest camera bags. That is why they offer the original owner of every Lowe pro bag a limited lifetime warranty against defects in materials and workmanship.*



### PROFESSIONAL AW BAGS

The Professional AW (All Weather) Series bags feature a built-in cover that protects gear from dust, sand, rain or snow (it can be quickly tucked away when the wind stops blowing and the sun comes out); high tech materials, such as ballistic nylon, a water-resistant non-abrasive fabric which is combined with a high density closed cell foam for extra protection from impact and extreme temperatures; the Overlap zippered lid, providing better protection from dust and moisture than a conventional zipper and is easier to open and close and the No Drop pocket, offering organized space for small items, such as filters and film (also works as a tray when changing lenses and film).

#### Mini Mag AW

The Mini Mag AW holds a large professional SLR camera with a zoom lens attached, four extra lenses, accessories and film, or will fit a medium format camera with two lenses. Gear can be organized as desired in the totally flexible interior. The inside dimensions are 10 x 5 x 8" (25.5 x 13 x 20.5cm) WDH. Weighs 1.8 lbs. (12kg).



Mini Mag AW Bag Gray (200-50G)  
Item # LOMMAWG.....**85.95**

Mini Mag AW Bag Black (200-50B)  
Item # LOMMAWB.....**85.95**

Mini Mag AW Bag Pine Green (200-50GR)  
Item # LOMMAWGR.....**85.95**

#### Elite AW

Great for traveling, the Elite AW packs two SLRs, four lenses and a flash and still has plenty of room left for accessories and film. Also fits the latest compact 8mm camcorders. Carry it on the optional Belt & Buckle for extra comfort. Like the other Pro AW bags, it has a zippered Security Pocket for safety. Interior dimensions: 10.5 x 7 x 7" (27 x 18 x 18cm) WDH. Weighs 3.4 lbs. (1.6kg).



Elite AW Bag Gray (200-40G)  
Item # LOEAWG.....**106.95**

Elite AW Bag Black (200-40B)  
Item # LOEAWB.....**106.95**

Elite AW Bag Pine Green (200-40GR)  
Item # LOEAWGR.....**106.95**

#### Compact AW

Designed for medium-sized systems, the Compact AW has all the pro features that made the Magnum famous. Holds two SLRs and up to eight lenses, or a medium format body with four lenses. It can be worn on the optional Backpack Harness for extra comfort. Interior dimensions are 12.5 x 7 x 8" (32 x 17.5 x 20.5cm) WDH. It weighs 4.3 lbs. (2kg).



Compact AW Bag Gray (200-30G)  
Item # LOCAWGQ.....**126.95**

Compact AW Bag Black (200-30B)  
Item # LOCAWBQ.....**126.95**

Compact AW Bag Forest Green (200-30FG)  
Item # LOCAWGRQ.....**126.95**

**Overnight Shipping Available**

Magnum AW



Commercial AW



Pro Magnum 1 AW



Pro Mag 2 AW



### Magnum AW

The original Pro bag, the Magnum – updated for the 90s. Continually improved over the years, it is Lowepro's most popular Pro bag. Holds two SLRs with lenses attached and up to 10 lenses, with lots of room for film and accessories. Fits under airline seats. Interior dimensions are 15.5x8x8.5" (39.5x20.5x21.5cm) WDH, weight 5.1 lbs. (2.3kg).

Magnum AW Bag Green (200-20GR)

Item # LOMAWGR .....161.95

Magnum AW Bag Gray (200-20G)

Item # LOMAWG .....161.95

Magnum AW Bag Black (200-20B)

Item # LOMAWB .....161.95

### Pro Magnum 1 AW

Designed for the medium sized system, the Pro Magnum 1 has all the features of the larger Pro AW bags, in a slim body hugging design. It will hold a larger Pro SLR with 80-200mm f/2.8 zoom lens and lens hood attached, or will hold one SLR, three to five lenses, flash and accessories. Interior dimensions are 11 x 4.8 x 10.5" (28 x 12 x 27cm) WDH. Weighs 2.8 lbs. (1.3kg).

Pro Magnum

1 AW Black (200-43B)

Item # LOPM1AWB .....130.95

Pro Magnum

1 AW Green (200-43G)

Item # LOPM1AWG .....130.95

### Pro Magnum 2 AW

Same as above. Will hold the largest Pro SLR with 80-200mm f/2.8 zoom lens and lens hood attached. It has a capacity of two SLRs, four to five lenses, a flash and accessories. Its interior dimensions are 11 x 6.8 x 10.5" (28 x 17 x 27cm) WDH. Weighs 3.4 lbs. (1.5kg).

Pro Magnum

2 AW Black (200-45B)

Item # LOPM2AWB .....149.95

Pro Magnum

2 AW Green (200-45GR)

Item # LOPM2AWGR .....149.95

### Commercial AW

Perfect for working on location, the Commercial AW is Lowe's largest bag. It holds an amazing number of camera bodies, drives, lenses and almost any accessory. It will fit 3 SLR bodies and up to 12 lenses. The flexible interior quickly adapts to virtually any combination of 35mm equipment. The Lens Cradle lifts for fast easy access to equipment in bottom compartments. There are three exterior pockets for essential items, and the lid has the removable see-through Film Pack for convenient storage and fast hand inspection of film at airports. Includes Belt & Buckle Waist Belt. Interior dimensions are 17 x 9.5 x 9.5" (43 x 24 x 24cm) WDH. Weighs 6.9 lbs. (3.1kg).

Commercial AW Bag Gray (200-10G)

Item # LOCAWG .....191.95

Commercial

AW Bag Black (200-10B)

Item # LOCAWB .....191.95

Commercial

AW Bag Green (200-10GR)

Item # LOCAWGR .....191.95

### PRO AW BAGS FOR MEDIUM FORMAT SYSTEMS



*Magnum  
AW  
Medium  
Format*

The interior compartments of the Pro AW Bags for Medium Format Systems are removable, modular cases. They provide extra protection for the camera bodies, backs and lenses and make it easy to get to the gear stored below. Both the Commercial AW MF and the Magnum AW MF have all the Pro features of the Professional AW Series, like the Film Pack that holds up to 16 rolls of 120 or 220 film, the Overlap Zipper, the No Drop Pocket and the All Weather Cover.



*Commercial  
AW  
Medium  
Format*

#### Magnum AW Medium Format

The Magnum AW MF is designed for more compact 6x6x4.5cm medium format SLRs, like the Mamiya 645 Pro with a prism finder, three roll film backs, four to five lenses, plus a flash. Interior dimensions are 15.5 x 8 x 8.5 (39 x 20.5 x 21.5cm) WDH. Weighs 6 lbs. (2.7kg).

Medium Format Magnum AW Bag Black (200-25B)

Item # **LOMAWMFB** .....**163.95**

#### Commercial AW Medium Format

The commercial AW MF holds larger Medium Format 6x7cm SLRs, like the Mamiya RZ or RB, with a prism finder, two to three roll film backs, a Polaroid back, three to four lenses and a large professional handle mount flash. Interior dimensions are 17 x 9.5 x 9.5" (43 x 24 x 24cm) WDH. Weighs 7 lbs. (3.2kg).

Medium Format Commercial AW Bag Black (200-15B)

Item # **LOCAWMFB** .....**216.95**

### TREKKING SERIES

Superbly designed camera bags for active outdoor shooters made Lowepro famous. They continue the tradition with the Trekking Series, an eclectic group of photo backpacks and belt packs. From the Camera Pocket Belt Pack for the weekend shooter, to the Style Super Trekker AW for pros, there is a Trekker that is perfect for your style. Trekkers are made of Endura 600 denier nylon, the same super tough material used for the famous Lowe Alpine expedition backpacks. TXP 600D fabric, PE boards and high density closed cell foam are combined for extra protection from impact and extreme temperatures.

#### Camera Pocket Belt Pack

Perfect for carrying one 35mm SLR with lens attached and an extra lens or compact binoculars. It fits snugly around the waist with the adjustable belt. The pocket flap holds keys, cash and a passport. Interior dimensions are 8.5 x 4 x 4" (21.5 x 10 x 10cm). Weighs 7oz. (200g).



Camera Pocket Belt Pack Black (207-01B)

Item # **LOCPB** .....**16.95**

Camera Pocket Belt Pack Nordic Blue (207-01NB)

Item # **LOCPNB** .....**16.95**

Camera Pocket Belt Pack Purple (207-01P)

Item # **LOCPP** .....**16.95**

Camera Pocket Belt Pack Forest Green (207-0142)

Item # **LOCPGR** .....**16.95**

#### Photo Runner Bags

A compact belt pack for hikers, runners and cyclists. It holds one SLR with two zooms, or a medium format range-finder system like the Mamiya 6MF or Mamiya 7. Features include the Dual Zip top, Batwing compression straps to secure the load and vertical compression straps to hold a jacket or tripod. Interior dimensions are 10.5 x 4 x 6.5" (26.5 x 10 x 16cm) WDH. Weighs 1.5 lbs. (.7kg).

Photo Runner Bag

Forest Green (201-1042)

Item # **LOPRGR** .....**43.95**

Photo Runner Bag

Royal Blue (201-10RB)

Item # **LOPRRB** .....**43.95**

Photo Runner Bag

Purple (201-10P)

Item # **LOPRP** .....**43.95**



*Photo  
Runner  
Bag*

# LOWEPRO

## TREKKING SERIES

TREKKING SERIES, *continued*

BAGS AND CASES

565

### Orion Mini Bag



Perfect for day trips. Fits one SLR, two lenses, flash and accessories, or a medium format SLR with lens. Features include a reverse open lid for fast convenient access to equipment, a built-in waistbelt which adjusts easily to fit your waist, a mesh lumbar pad to prevent back fatigue on long hikes (breathable mesh wicks away moisture), and an overlap zipper (easier to open than a standard zipper) for better protection. Batwing straps which secure and compress the load

to your body and a laminated mesh to protect delicate accessories and camera surfaces. Interior dimensions are 9 x 4.3 x 6.3" (23 x 11 x 16cm) WDH. Weighs 18 oz. (500g).

**Orion Mini Black** (201-24B)  
**Item # LOOMB**.....**31.95**

**Orion Mini Nordic Blue** (201-24NB)  
**Item # LOOMNB**.....**31.95**

**Orion Mini Forest Green** (201-24FG)  
**Item # LOOMGR**.....**31.95**

**Orion Mini Purple** (201-24P)  
**Item # LOOMP**.....**31.95**

### Orion Bag

The Orion's crescent shape hugs the back for comfort and stability and offers a place to rest the elbows when shooting at slow shutter speeds. Fits one SLR with 3 or 4 lenses and the latest compact Video 8 camcorders. Interior dimensions: 12.5 x 6 x 6.3" (32 x 15 x 16cm) WDH. Weighs 21 oz. (600g).

**Orion Black** (201-25B)  
**Item # LOOB**.....**46.95**

**Orion Forest Green** (201-25FG)  
**Item # LOOGR**.....**46.95**

**Orion Bag Nordic Blue** (201-25NB)  
**Item # LOONB**.....**46.95**

**Orion Bag Purple** (201-25P)  
**Item # LOOP**.....**46.95**

### Off Trail Bag

A smaller version of the Off Road. With the removable SlipLock lens cases, it is great for hiking or biking with just the essentials. Holds an SLR with two lenses. A built-in waistbelt easily adjusts to fit the waist, a mesh lumbar pad prevents back fatigue on long hikes (the breathable mesh wicks away moisture), the Overlap zipper offers better protection and Batwing straps compress and secure the load to the body. Interior dimensions are 6.5 x 4.3 x 7.3" (17 x 11 x 18cm) WDH, lens cases 3 x 7.8" (7.6 x 19.7cm) DH. Weighs 1.1 lbs. (510g).

**Off Trail Black** (201-08B)  
**Item # LOOTB**.....**37.95**

**Off Trail Nordic Blue** (201-08NB)  
**Item # LOOTNB**.....**37.95**

**Off Trail Spruce** (201-08FG)  
**Item # LOOTGR**.....**37.95**

**Off Trail Purple** (201-08P)  
**Item # LOOTP**.....**37.95**

### Orion AW Bag



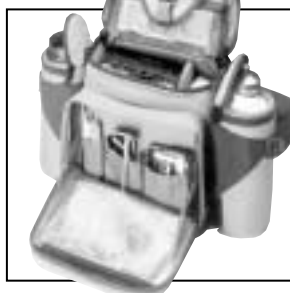
*AW Bag (left) includes Day Pack, which turns into a backpack (center) and Rain Cover (right)*

Holds one SLR, four lenses, a flash and compact binoculars. Inside the front pocket is a small daypack that snaps onto the Orion AW, turning it into a modular backpack. Quick release buckles make it easy to swing the belt pack around. The lid opens away from the body for easy access to equipment. Interior dimensions are 13.5 x 6.5 x 7" (34 x 17 x 18cm) WDH. Weighs 3.6 lbs. (1.6kg).

**Orion AW Black** (200-60B)  
**Item # LOOAWB**.....**122.95**

**Orion AW Forest Green** (200-60GR)  
**Item # LOOAWGR**.....**122.95**

### Off Road Bag (with side pockets)



Holds one SLR with lens attached, four extra lenses and accessories. Its interior dimensions are 8 x 4 x 8.5" (20.5 x 10 x 21.5cm) WDH; the side lens bag dimensions are 2.5 x 8" (6.4 x 20.3cm) WH, and it weighs 2.3 lbs. (1.5kg).

**Off Road Black** (201-09B)  
**Item # LOORBQ**.....**72.95**

**Off Road Navy** (201-09N)  
**Item # LOORN**.....**72.95**

**Off Road Forest Green** (201-09FG)  
**Item # LOORGR**.....**72.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0



# LOWEPRO

## TREKKING SERIES

### TREKKING SERIES, *continued*

#### Sideline Shooter

A slim profile belt-pack. Allows the photographer to hold an SLR with 3 to 4 lenses, or up to 50 rolls of film. Its mesh pockets on top can hold small accessories. Interior dimensions are 13x5x6" (34x13 x15.5cm) WDH and weighs 2 lbs. (500g).



**Sideline Shooter**  
**Black (201-55B)**

**Item # LOSLSB.....57.95**

**Sideline Shooter**

**Forest Green (201-55FG)**

**Item # LOSLSGR.....57.95**

#### Orion Trekker

Perfect for carrying a 35mm with three lenses and small binoculars. This bag can be worn as a backpack or as a belt-pack. The top portion of the case is a day pack which will hold your lunch and jacket, plus other necessities. Interior dimensions are: Belt-pack 12.5 x 6 x 6.25" (32x15x16cm) WDH, Daypack 12.5x5x17" (32x13x43cm) WDH. Weighs 11 lbs. 12 oz. (800g).



**Orion Trekker Black (201-11B)**

**Item # LOOTBY.....60.95**

**Orion Trekker Forest Green (201-11FG)**

**Item # LOOTGRY .....60.95**

#### Mini Trekker

Smaller than other Trekker Backpacks, the Mini Trekker is designed for those who want to travel light, with a 35mm SLR or medium format system. It slides right under airline seats. The built-in adjustable harness system is contoured to fit the body, and the back has breathable mesh-covered foam that wicks away moisture for extra comfort. The large front pocket holds extra equipment or a

change of clothes. Inside, closed cell foam provides protection from impact, and the velcro dividers can be easily arranged to accommodate video equipment or a compact medium format system. The Mini Trekker holds one to two SLRs and up to eight lenses, including long telephotos or zooms. Interior dimensions are 12 x 6 x 15.5" (30 x 15 x 39cm) WDH. Weighs 2.4 lbs. (1.1kg).

**Mini Trekker Backpack Black (201-06B)**

**Item # LOMTB .....99.95**

**Mini Trekker Backpack Forest Green (201-06FG)**

**Item # LOMTGR .....99.95**

#### Trim Trekker Back Pack

The Trim Trekker evolved from the Trimtech Ultimate. It is a slim convertible bag/pack with a harness comparable to the larger packs. It holds two SLRs and five to seven lenses. The Drawer, a padded compartment for longer lenses or a large pro flash, slides out of the side hatch for fast, secure access. Also fits 4x5 field cameras and laptops. Interior dimensions are 12.5 x 5.5 x 12.5" (32 x 14 x 32cm) WDH. Weighs 4 lbs. (1.9kg).

**Trim Trekker Gray-Black (201-07B)**

**Item # LOTTG .....120.95**

**Trim Trekker Forest Green (201-07FG)**

**Item # LOTTGR .....120.95**



#### Photo Trekker Back Pack



The Photo Trekker is Lowe's best-selling photo backpack. It can take a complete 35 SLR system, including large telephotos, a medium format or 4x5 field camera system. It holds two SLRs with lenses attached, plus eight other lenses. The Photo Trekker has a tough 420 denier packcloth outer shell and a redesigned harness system with CollarCut shoulder straps, a lumbar pad and a padded waistbelt. Interior dimensions are 12 x 6 x 17.5" (31 x 15 x 44cm) WDH. Weighs 5.2 lbs. (2.4kg).

**Photo Trekker Black (201-02B)**

**Item # LOTB .....152.95**

**Photo Trekker Forest Green (201-02FG)**

**Item # LOTGR .....152.95**



# LOWEPRO

## TREKKING SERIES

### TREKKING SERIES, *continued*

#### Photo Trekker AW Back Pack

At the request of photographers who travel from the Tropics to the Arctic, the Photo Trekker has been enlarged and enhanced. It holds two SLRs with lenses attached, plus twelve other lenses. Features added include the AW (All Weather) cover, front Bellows Pocket and an adjustable harness system with CollarCut shoulder straps, a lumbar pad and a padded waistbelt. This comfortable harness will make you think you left half your gear at home. Interior dimensions are 12 x 6 x 19" (31 x 15 x 48cm) WDH. Weighs 5.9 lbs. (2.7kg).

Photo Trekker AW Black (201-05B)

Item # **LOTAWB** ..... **229.95**

Photo Trekker AW Forest Green (201-05FG)

Item # **LOTAWS** ..... **229.95**



#### Super Trekker AW Back Pack



The Super Trekker AW is designed for photographers with extensive camera systems weighing 50 lbs. or more. The interior is totally adjustable to fit any combination of equipment - 35mm SLR systems with lenses up to 800mm, complete medium format systems, large format field cameras up to 8x10 or professional video systems. Loading a large pack with heavy gear is one thing, but will you be able to carry it comfortably? Absolutely! No need for Sherpas. The Super Trekker AW has the most advanced technical harness system available on a camera pack. It incorporates the state-of-the-art Paralux internal frame, Wedge slider adjustment, CollarCut shoulder straps and many other unique features.

The Super Trekker AW comes with a removable tripod case that attaches vertically for even weight distribution and easy movement through tight spaces. For heavy rain or dust storms, the integrated AW cover protects the whole pack, including the tripod case. Interior dimensions are 14.5 x 7 x 25.5" (37 x 18 x 65cm) WDH. Weighs 11.7 lbs. (5.3kg).

Super Trekker AW Black (201-03B)

Item # **LOSTAWG** ..... **Call**

Super Trekker AW Green (201-03GR)

Item # **LOSTAWS** ..... **Call**

#### Nature Trekker AW Back Pack

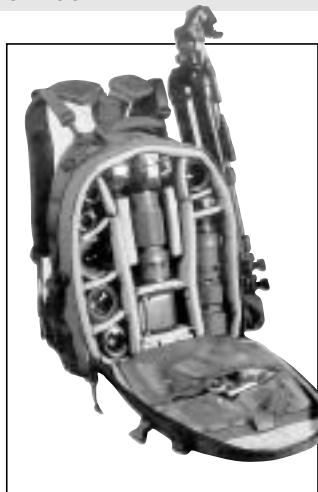
Nature Trekker AW - Black (201-01B)

Designed with the nature photographer in mind, this case is a downsized version of the Pro Trekker AW. It will hold a complete 35mm system with a lens up to 16" long, or a compact medium format system. A quick release bungee cord on the side will vertically accommodate your tripod. The case comes with an all-weather cover and a fully adjustable harness system. Inner dimensions are 11.5 x 6 x 16.75 (29.2 x 15.2 x 42.5cm) WDH and weighs 6 lbs.

Item # **LONTB** ..... **181.50**

Nature Trekker AW - Green (201-01GR)

Item # **LONTGR** ..... **181.50**



#### Pro Trekker AW Back Pack

Pro Trekker AW - Black (201-04B)

This ultimate backpack made of 600D Ripstop nylon allows you to carry up to two professional SLR systems with 10 to 12 lenses, including a medium or large format system, flash, tripod and accessories, offering your equipment unsurpassed protection. The harness system on the Pro Trekker offers maximum comfort in supporting heavy gear. Fully adjustable velcro inserts allow the nature photographer to stow his gear in a convenient manner. A built-in cover protects the contents from dust, sand, rain and snow. Inner dimensions are 12x6.5x20.5" (30x16.5x52cm) and weighs 9 lbs. 8oz (4kg 309g).

Item # **LOPTAWB** ..... **319.00**

Pro Trekker AW - Green (201-04GR)

Item # **LOPTAWGR** ..... **319.00**

### Trekker Accessories

#### Trekker Tote (207-3525)

A soft, black nylon bag that holds the whole pack system and more. 33 x 15.75 x 19.75" (84 x 40 x 50cm).

**Item # LOTTB.....54.95**

#### Trekker Daypack (207-3522)

Attaches to the front of all Trekker packs. Holds clothing, lunches and more. 12.5x3x18" (32x7.5x46cm). Black color.

**Item # LODPT.....49.95**

#### Trekker Belt Pack (207-3523)

Attaches to the longer Trekker packs, this padded black belt pack will hold a small camera and other necessities. Size is 9.5 x 3 x 6" (23.5 x 8 x 15cm).

**Item # LOBPT.....29.95**

#### Trekker Pocket Black (207-3524)

Attaches to the top or sides of the larger Trekker packs and holds anything from telephoto lens to cell phone. 4.5x2.5x9.5" (12 x 6 x 23cm).

**Item # LOPT.....15.95**

#### Trekker Lens Pouch (207-3528)

A large black padded lens pouch that accommodates lenses up to 300mm. Mounts on the front or side of Trekker packs. 16.5 x 4.5" (42 x 12cm).

**Item # LOLPT .....34.95**

#### Trekker Accessory Pouch (207-3527)

Attaches to the center or sides of packs. Holds accessories that don't need padded protection.

**Item # LOAPT.....32.50**

#### Trekker Tripod Mount (207-3531)

Attaches to the side or front of pack to hold tripod. Includes quick ties.

**Item # LOTMT.....24.50**

#### Trekker Film Pack (207-3521)

Mesh zipped pouch. Great for film or other small accessories.

**Item # LOFPT.....7.95**

#### Trekker Reflector (207-3526)

Reversible reflector allows studio lighting in the field.

**Item # LORTB.....9.95**

### Omni Series



#### Omni Sport Extreme (20005)

Same as Omni Sport (20004) with Pelican 1400 hard case.

**Item # LOOSEB .....111.95**

#### Omni Traveler (20006)

The Omni Traveler holds one or two 35mm SLR's, four to six lenses and fits into a Pelican 1450 hard case. Plenty of room for accessories including a flash. Dimensions are 14 x 5.5 x 10" (35.6 x 14 x 25.4cm) WDH, and weighs 2.3 lbs. (1kg).

**Item # LOOTBQ .....85.95**

#### Omni Traveler Extreme (20007)

Same as above with a Pelican 1450 hard case.

**Item # LOOTEB.....154.95**

The Omni Series presents deluxe luggage-style bags that offer maximum versatility. They can be carried as a briefcase or shoulder bag. When carried on the shoulder, the reverse lid opens away from the body for fast, easy access to equipment. The exterior fabric is water-resistant, non-abrasive 600 denier TXP with deluxe leather trim. Inside, high density, closed cell foam offers protection from impact, vibration and extreme temperatures. Each LowePro is designed to fit into a Pelican waterproof, airtight hard case for the ultimate protection. It has a full zippered side opening so that all your equipment is visible and accessible without removing the bag from the hard case. Other features include laminated mesh interior pockets and as contoured shoulder strap.

#### Omni Sport (20004)

The smallest bag in the series, the Omni Sport holds one 35mm SLR and 2 to 3 lenses, and fits into a Pelican 1400 hard case. Can be carried as a briefcase or worn as a belt pack with the hideaway waistbelt.

Dimensions are 10.5 x 3.75 x 7.5" (26.7 x 9.5 x 19cm) WDH, and weighs 1.3 lbs. (590k).

**Item # LOOSB.....48.95**

### Pro Roller Series

This durable case is made of 2000D for the photographer on the run, who prefers to roll his equipment rather than to carry it. With fully adjustable inserts to hold all your gear, they feature bungee cords in the front to hold flat accessories. A tripod can be mounted on the side. Pockets are located all over - two on the outside, two on the inside flap and two on each side of the removable insert cover.

#### Pro Roller 1 (19-200)

Interior dimensions are 12.5 x 6.5 x 19.5" (32 x 16 x 49.5cm) WDH, weighs 16 lbs. (7.3kg).

**Item # LOPR1B.....225.50**

#### Pro Roller 2 (19-205)

Interior dimensions are 14.75 x 8 x 21.5" (37.5 x 20 x 54.5cm) WDH, weighs 19.25 lb. (8.7kg).

**Item # LOPR2B.....264.95**

#### Omni Trekker (20008)

Features a removable, fully adjustable backpack harness. It fits into a Pelican 1550 hard case, and holds one or two 35mm SLRs, including larger professional cameras like the Nikon F4 and Canon EOS 1N, plus 8-10 lenses. Plenty of room for accessories including flash units and filters. 17x7x15" (43.2 x 17.8 x 38.1cm) WDH, and it weighs 5.5 lbs. (2.5kg).

**Item # LOOTBZ.....179.95**

#### Omni Trekker Extreme (20009)

Same as above with a Pelican 1550 hard case.

**Item # LOOTEBQ.....292.95**

#### Omni Pro (20001)

Holds 1 or 2 SLRs, including large cameras like the Nikon F4S and Canon EOS 1N, plus 5 to 7 lenses with plenty of room for accessories, including flash units and filters. And, it fits into a Pelican 1520 hard case. Features include laminated mesh interior pockets, removable tripod straps, a document pocket for tickets, passports and maps, and a contoured shoulder strap. 16.5 x 6 x 12" (42 x 15.2 x 30.1cm) WDH, and it weighs 4.5 lbs. (2kg).

**Item # LOOPB .....135.95**

#### Omni Pro Extreme (20003)

Same as above with a Pelican 1520 hard case.

**Item # LOOPEB.....227.95**



## HOLSTER BAGS AND LENS CASES

### TOPLOAD

#### Topload Zoom AW Holster Bag

For active outdoor photographers. Holds the largest professional SLRs with lenses up to 300mm or 80-200mm f/2.8 attached. It also fits compact 6x6 or 6x4.5cm medium format cameras. Removable Chest Harness for extra security and carrying comfort. An All-Weather cover pops out of the front pocket to protect gear from the elements. A reverse-open lid makes it easy to grab the camera for fast-breaking action shots, and a large dual compartment front pocket holds lots of film, filters or compact binoculars. Water and wear-resistant 600 denier TXP exterior fabric. Breathable mesh pad on the back for extra comfort on long hikes. Dimensions are 7x4.5x12" (18x11.5x30cm) WDH. Weighs 1.5 lbs. (680g).

**Topload Zoom AW**  
**Black** (201-35B)

**Item # LOTLZAWB.....49.95**

**Topload Zoom AW**  
**Gray** (201-35G)

**Item # LOTLZAWG .....49.95**

**Topload Zoom AW**  
**Forest Green** (201-35GR)

**Item # LOTLZAWGR.....49.95**

#### Topload Zoom 2 Holster Bag



Accepts the latest big SLRs face down with a zoom attached and still has room for a wide-angle lens underneath. The front pocket expands to hold film and the laminated mesh pocket on the inside keeps accessories in view. Can be carried on the optional Chest Harness, the Belt & Buckle or your own belt for hand-free operation. Dimensions are 6.5 x 4 x 9.5" (16 x 10 x 24cm) WDH. Weighs 11oz. (312g).

**Topload**  
**Zoom 2 Black** (201-34B)

**Item # LOTLZ2B.....26.95**

**Topload**  
**Zoom 2 Gray** (201-34G)

**Item # LOTLZ2G.....26.95**

**Topload**  
**Zoom 2 Navy** (201-34N)

**Item # LOTLZ2N .....26.95**

**Topload**  
**Zoom 2 Forest Green** (201-34GR)

**Item # LOTLZ2GR.....26.95**

#### Topload Zoom 1 Holster

The Topload Zoom 1 Holster holds a full-size SLR with a compact zoom attached. Adjustable Camera Sling for camera/lens size and Film Loops to hold two rolls of film. On the back are belt loops for the optional Belt and Buckle and D-Rings for the optional Chest Harness. Its dimensions are 6.5 x 4 x 7" (16 x 10 x 17cm) WDH, and it weighs 7 oz. (199g).

**Topload**  
**Zoom 1 Black** (201-33B)

**Item # LOTLZ1B .....22.95**

**Topload**  
**Zoom 1 Gray** (201-33G)

**Item # LOTLZ1G.....22.95**

**Topload**  
**Zoom 1 Navy** (201-33N)

**Item # LOTLZ1N.....22.95**

**Topload**  
**Zoom 1 Forest Green** (201-33GR)

**Item # LOTLZ1GR .....22.95**

### LENS CASES

Lowepro designers have come up with a unique 'slip 'n' look' attachment system that features a reinforced "tab" secured by generous hook and loop material. The cases attach and detach rapidly and conveniently from your own belt, the Lowepro Belt & Buckle or the waistbelt of any Lowepro fanny pack or backpack. The exterior fabric is water resistant, non-abrasive 600 denier TXP. Inside, high density closed cell foam provides excellent protection from impact and vibration. Lens Case 1 fits most wide-angle fixed focus length or zoom lenses. Lens Case 2 fits most "standard" telephoto lenses or zooms. Lens Case 3 fits fast telephoto lenses or zooms up to 80-200mm f/2.8. Lens Case 4 holds large lenses, including a 300mm f/4 and Lens Case 5 will hold even larger lenses, including a 300mm f/2.8.

**Lens Case 1 Black** (207-39B)

**Item # LOLC1B.....17.95**

**Lens Case 4 Black** (207-42B)

**Item # LOLC4B.....26.95**

**Lens Case 2 Black** (207-40B)

**Item # LOLC2B.....17.50**

**Lens Case 5 Black** (207-43B)

**Item # LOLC5B.....32.50**

**Lens Case 3 Black** (207-41B)

**Item # LOLC3B.....18.95**



# LOWEPRO/PHOTOFLEX

## T O P L O A D , L E N S C A S E S

Backpack Harness Black  
Item # LOBPH .....29.95

Topload Chest Harness Black  
Item # LOCHB .....11.95

Belt & Buckle Black  
Item # LOBBZ .....8.95

Deluxe Shoulder Strap Gray  
Item # LOSSDG .....19.95

Deluxe Shoulder Strap  
Nordic Blue  
Item # LOSSDNB .....19.95

Deluxe Shoulder Strap Green  
Item # LOSSDGR .....19.95

Deluxe Shoulder Strap Purple  
Item # LOSSDP .....19.95

Wallet Black  
Item # LOWB .....7.95



Photographers Gloves Medium Black

Wallet Spruce  
Item # LOWS .....7.95

Wallet Navy  
Item # LOWN .....7.95

Magnum Medium Format  
Inserts Royal Blue  
Replacement.  
Item # LOIMMF .....39.95

Commercial Medium Format  
Inserts Royal Blue  
Replacement.  
Item # LOICMF .....44.95

Trekker Side Pocket Black  
Item # LOSPMT .....14.50

Photographers Gloves  
Medium Black  
Made from Dupont Thermax/  
Lycra for comfort, warmth and  
dryness. They feature Control  
Dots on the palms and fingers  
for a superior grip.  
Item # LOGM .....19.50

Photographers Gloves  
Large Black  
Same as above, in large size.  
Item # LOGL .....19.50

Photographers Gloves  
X-Large Black  
Same as above, in x-large size.  
Item # LOGXL .....19.50

## PHOTOFLEX TRANSPAC SERIES

### Outbound (TP-842)

A heavy-duty, water-resistant nylon bag that provides two long, open compartments. Great for any photo accessories too large or awkward for a standard camera bag, it comes with a 2" adjustable, removable shoulder strap and a comfortable leather shoulder pad. 2" nylon handle straps with a long leather grip. All zippers come with convenient red pull-tags. The main compartment is 47 x 8 x 9.5" (120 x 20.3 x 24.2cm) LWH. The secondary compartment is 36 x 3 x 8" (91.4 x 7.6 x 20.3cm) LWH. It weighs 3 lbs. (1.4kg).  
Item # PHTPO .....69.95

### Cruzer (TP-1432)

Rugged, wheeled duffel bags with a built-in dolly allow you to take just about anything with you on a photo shoot. Smooth-glide, non-marking rubber wheels make travel a pleasure. Water-resistant, super-durable polyester (800d) fabric helps to protect your equipment from damp or humid weather. A double-layered PVC floor-board ensures solid support for any challenging load, and leather-like handle grips provide a strong, comfortable hold. Double-stitching on all seams and double-sewn, self-repairing zippers. It features a spacious, undivided main compartment, and two zippered pockets on the outside for smaller essentials. The main compartment size is 28 x 14 x 14" (71.1 x 35.6 x 35.6cm) with 2 outside pockets, each measuring 12 x 9 x 3" (30 x 22.9 x 7.6cm). Weighs 8.4 lbs. (3.8kg).  
Item # PHTPCX .....139.95

### Expedition (TP-1448)

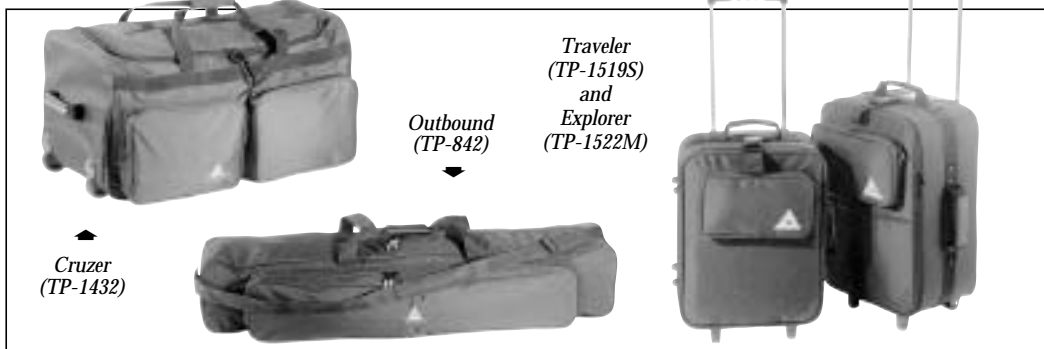
Same as the Cruzor, but larger. Its main compartment size is 47 x 14 x 14" (120 x 35.6 x 35.6cm) with 2 outside pockets, each measuring 20 x 9 x 2" (50.8 x 22.9 x 5cm). Weighs 12.6 lbs. (5.8kg).  
Item # PHTPEQ .....179.95

### Traveler (TP-1519S)

The Traveler offers thick foam padding, durable pvc walls, adjustable dividers, and a convenient no-drop front pocket. It contains two interior separation pockets, a zippered mesh screen and a pen holder to keep things organized. Smooth-glide, non-marking rubber wheels make hauling your camera equipment a breeze. The slide-tube style handle extends 13" and slides back into hiding for easy storage. A molded handle grip provides added comfort. 2" buckled and adjustable strap for attaching additional luggage or garment bags. Self-repairing zippers are double-stitch sewn and come with a metal zipper lock. Fits into the overhead storage of a plane. 19.25 x 15.5 x 8.5" (48.9 x 39.4 x 21.6cm) LWH. Weighs 10.9 lbs. (4.9kg).  
Item # PHTPT .....199.95

### Explorer (TP-1522M)

Larger than the Traveler, the Explorers dimensions are 22 x 15 x 10" (55.9 x 38.1 x 25.4cm) LWH, and it weighs 13 lbs. (5.9kg).  
Item # PHTPE .....219.95





# P O R T E R

## P O R T E R C A S E

*Porter Case is a case, a tote, and a cart all in one. Protect your gear in a wheeled carry-on with a built-in cart. The airline regulation carry-on size Porter Case rolls easily down the aisles and will fit under most seats and in overhead compartments. Protect and keep your most important valuables with you by rolling them on board, and shipping the rest. At your destination, convert the case to a 200 lb. (90kg) load capacity cart and stack you extra gear.*

*The Porter Case has an ABS executive black exterior with a combination lock and latches. The extruded aluminum handles are constructed of bright chrome with injected molded grips, steel plates and zinc chromate plating. There is also a suitcase-style secondary handle. The wheels are 4" (10cm) in diameter with a polyethylene hub and a 1¼" (3.2cm) rubber tread on a 3/8" (9.5cm) steel axle. The 1" (2.5cm) exterior tie down strap of nylon webbing with a snap hook attaches to the "D" ring on the case and secures through the built-in camlock unit on the telescoping handle.*



Porter Case II with Photo Divider System

BAGS AND CASES

571

Porter Case II (1502E)  
Without foam or dividers.  
Item # PO1502E.....**169.95**

Porter Case II (1502FMCS)  
With foam insert.  
Item # PO1502EF .....**229.95**

Porter Case II (1502PHCS)  
Photo case II with dividers.  
Item # PO1502EPD .....**229.95**

Porter Case II (1502CMCS)  
Computer case II with dividers.  
Item # PO1502ECD.....**199.95**

### Accessories

**Saddle Bag Accessory (SDL)**  
A carry-on compliment to your Porter Case. The single strap slides neatly over the Porter Case handle to "ride" easily in the rolling tote or luggage cart position. It also includes 2 additional front pouches made from 400 Denier black nylon cloth. Its dimensions are 20 x 13 x 4" (50.8 x 33 x 10.2cm).  
Item # POSBA .....**44.50**

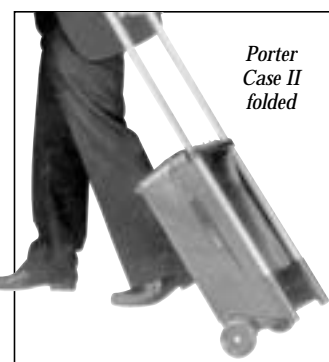
**Shopping Bag Accessory (SHP)**  
Easy-to-use nylon tote bag that slips over the Porter Case handles, allowing you that extra little storage area needed at times. Its dimensions are 15.5 x 13 x 3" (39.4 x 33 x 7.6cm).  
Item # POSBAQ .....**17.50**

**Foam Insert (FM)**  
For Porter Case II.  
Item # POFL1502C .....**44.50**

**Photo Divider System (DVK)**  
For Porter Case II.  
Item # PODKP1502C .....**69.95**



**Computer Divider System (COMP)**  
For Porter Case II.  
Item # PODKC1502C .....**62.50**



Porter Case II with other suitcases stacked on top



### PORTER CASE II SPECIFICATIONS

Model	External Dimensions L.W.H.	Internal Dimensions L.W.H.	Handle Extensions Tote Position	Handle Extensions Cart Position	Weight
Porter Case II	22 x 14 x 8" (55.9 x 14 x 8cm)	21½ x 13¼ x 7½" (54.9 x 33.5 x 19cm)	40" (101cm)	42" (106cm)	11 lbs. (5kg)



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

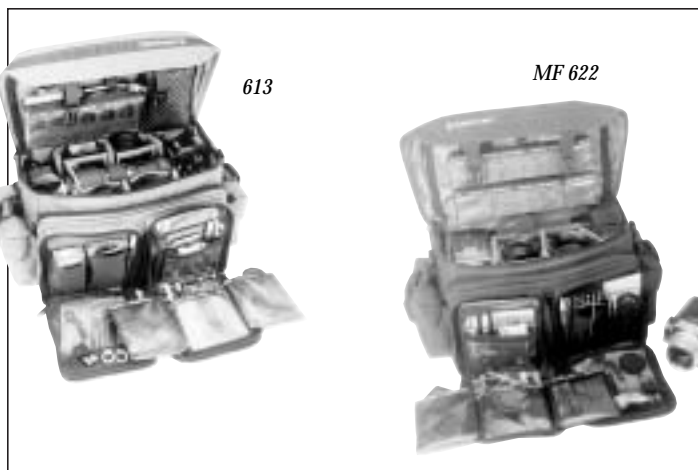
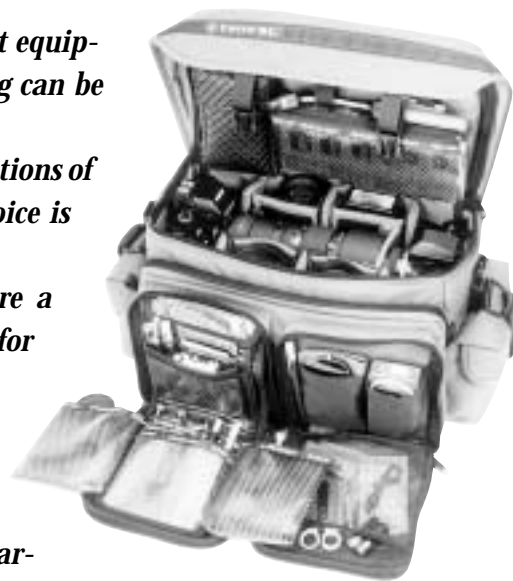
# TAMRAC

## BAGS AND CASES

*The purpose of a Tamrac camera bag is not only to carry and protect equipment and accessories, but to hold them conveniently so that everything can be quickly accessed.*

*Many bags offer triple protection against rain, dust and sand, with options of velcro closures, quick release buckle closures or zipper closure. The choice is made as conditions change.*

*Among the many innovations Tamrac Bag Pro System features are a patented lens gate divider system, allowing cameras to be carried ready for action with long lenses and motor drives attached; patented lens gates which swing open and shut to protect valuable equipment; pop-off film pockets made of see through mesh for quick inspection of film at airports; zip-drop pockets with see-through mesh for storing small accessories; adventure series bags which have a tuck-away hip belt for carrying bag around waist and many bags offering a patented strobe hatch, a full zippered compartment in the back of the bag which allows quick access to strobe without having to remove equipment stored above. Tamrac bags are made with the most careful craftsmanship, using the finest materials. Fabric is made of 1000 Denier cordura nylon that has been waterproofed with double urethane coating. On the back, smooth nylon pack cloth is used to protect cloths from abrasion. Lining is smooth coated nylon. High density foam offers superior protection from impact. Hardware is made of military spec hardware. All bags are easy to clean with fantastic or 409 and are guaranteed for five years.*



### Pro Systems Bags

- Pro System 8 Bag** (608)
- Pro System 10 Bag** (610)
- Pro System 12 Bag** (612)
- Pro System 13 Bag** (613)
- Pro System 14 Bag** (614)

### Scope, Tripod and Stand Bags

- Scopecase** (358)
- Medium Tripod Bag** (324)
- Large Tripod Bag** (326)
- Extra Large Tripod Bag** (327)
- Professional Location Bag** (328)

### Camera Straps

**Backpack Camera Straps Black** (N-11)

**Foam Padded Leather Camera Strap Black** (N-35)

**Camera Hand Strap Black** (N-15)

**Foam Padded Leather Camera Strap with Quick Release** (N-45)

**Anti-Slip Quick Release Black Camera Strap** (N-17)

**Sheepskin Padded Camera Strap with Quick Release** (N-55)

**Neoprene Camera Strap** (N-19)

**Boomerang Strap with Quick Release** (N-27)

**X-Press Action Camera Harness** (N-75)

**Neoprene Camera Strap with Quick Release** (N-25)

### World Correspondent Vest and Bags

**World Correspondent Vest** (153)

**World Correspondent Compact** (820)

**World Correspondent 6** (826)

**World Correspondent Ultra Compact** (818)

**World Correspondent 8** (828)

**World Correspondent Convertible** (823)

**Leather Ultra Compact Pouch** (808)

#### Strongbox/Rolling Studio Series

**Strongbox Double Format Camera Case** (644)

**Strongbox Unlimited Case** (646)

**Strongbox El Grande** (648)

**Rolling Strongbox Case** (652)

**Jumbo Rolling Strongbox** (654)

**Rolling Studio** (660)

**Medium Rolling Studio** (661)

**Super Rolling Studio** (662)

#### Scope, Tripod & Stand Bags

**Scopecase** (353)

**Medium Tripod Bag** (354)

**Large Tripod Bag** (326)

**Extra Large Tripod Bag** (327)

**Professional Location Bag** (328)

#### Daypacks

**Photo Explorer Daypack** (745)

**Compact Photo Daypack** (748)

**Photo Daypack Convertible** (635)

**Photographer's Daypack** (750)

**Super Photo Daypack** (752)

#### Pro Systems Medium and Multi-Format Bags

**Action Medium Format Bag** (620)

**Medium Format Camera Bag** (622)

**Pro System 23 Multi-Format Extended Professional** (623)

**Pro System 25 Multi-Format Extended Professional** (625)

#### Hip and Zoom Packs

**Quarter Moon Hip Pack** (705)

**Half Moon Hip Pack** (707)

**Lite Moon Hip Pocket** (702)

**Compact Zoom Pak** (515)

**Tele Zoom Pak** (517)

#### Convertible Shoulder or Hip Bags

**Sport Convertible** (704)

**Deluxe Convertible** (706)

**Pro Convertible** (709)

#### Zoom System Bags

**Zoom System 3** (603)

**Zoom System 4** (604)

**Zoom System 6** (606)

#### Zoom Travel

**Zoom Travel** (605)

**Photo Travel Three** (607)

**Photo Travel One** (636)

#### Strongbox and Rolling Studio Series

**Mini/Micro Camera Bag** (206)

**Ultra-Lite Traveler Bag** (208)

**Auto-Expo Bag** (210)

**Micro Camera Bag** (216)

**Compact Traveler Bag** (218)

**Two-Way Traveler Bag** (220)

**Complete Traveler Bag** (224)

**Expo Jr Bag** (600R)

**Expo 1 Bag** (601)

**Expo 2 Bag** (602)

#### Backpacks

**Photopack** (757)

**Phototrail Backpack** (767)

**Summit Photo Backpack** (777)

**Super Photo Backpack** (787)

#### NEO's Neoprene Cases

**Neo's Mini Micro Camera/Photo** (3606)

**Phone Speed Case** (3608)

**Camera/Phone Speed Case** (3609)

**SLR Pack** (3612)

**Mini Micro Zip Case** (3614)

**Neo's Zoom pack** (3615)

**Neo's Ultra Compact Camera Case** (3618)

**Neo's Camera/Audio/Game Case** (3620)

**Neo's Compact Camera Multi-Function Case** (3625)

**Neo's Camera/Audio/Game Multi-Function Case** (3626)

**Neo's Surpluss Case** (3692)

#### Lightspeed

**Lightspeed 3**

**Lightspeed 4**

#### Superlights

**Superlight 4** (444)

**Superlight 6** (446)

**Superlight 8** (448)

**Superlight 9** (449)

#### Rolling Back Pack

**Rolling Traveler Photo Backpack** (667)

**Rolling Photo Backpack** (678)

#### Miscellaneous Accessories

**Photographer's Toolpak** (125)

**Filter Pak** (127)

**Folding Filter Wallet** (129)

**Camera Bag and Luggage Lock** (107)

**Camera Bag Belt Restraint Strap Black** (S111)

**Accessory Shoulder Strap** (S115)

**Pro Series Camera Bag Black** (S112)

**Bio-Curve Foam Padded Shoulder Strap Black** (S140)

**Classic Padded Leather Shoulder Strap** (S142)



Tamrac  
Tripod  
Bags

*Tenba bags are the photographer's choice because they encompass a host of features such as adjustable velcro dividers, closed cell foam wall padding, and waterproof Cordura or Protek cloth. Protek cloth is developed from bulletproof vest fibers. As strong as Cordura, yet smooth and easily cleaned, it will not damage your clothing. Carrying bags made of Protek cloth are rugged and tough. Waterproof coated with two ounces of polyurethane, Protek cloth can withstand 40 pounds of hydrostatic p.s.i. 430 D nylon is normally used on hiking packs. Light, tough and easily cleaned, it avoids the problem of static or foam dust. Foam is the same as used in crash helmets and football pads. Of 2 lb. density and  $\frac{3}{8}$ " thick, the foam is completely waterproof, insulated (38 BTU per hour) and shock absorbent. All seams are sewn with #69 multifilament nylon thread and bonded with liquid nylon for strength and long wear. Seams are double stitched with this thread which is also used to sew work boots. All webbing is heavy-duty cam-belt polypropylene. The shoulder strap tests at over 1000 pounds. The handgrip tests at 750 pounds. The weave is extremely strong and withstands sunlight, unlike nylon. Sturdy and long lasting zippers are YKK self-healing nylon coil or molded on #10 Devlon.*



P655 Pro  
Traveler

### Pro Packs

Pro Paks feature a weatherproof tight zipper closure, and a quick closing center tuck catch with additional tourniquet buckles (made of aircraft aluminum) to strap the top down. A reinforced front with air channel plastic prevents sagging, while the shoulder strap with a non-skid shoulder patch can be shortened to a hand strap with a leather padded hand grip. An extra layer of soft foam added to the bag's bottom absorbs high frequency vibrations. Pro Paks have a 2 $\frac{1}{2}$ " tall top that stores 30 to 40 rolls of film, a flat zippered pocket underneath, two side and two front pockets. In addition, the Pro Pak is constructed with a waterproof and rugged Cordura nylon. The back is constructed with a Pants Protector Panel made of smooth pack cloth to prevent wear and tear to your clothing.



P595 Pro Pak

**P595 Pro Pak Black (P595B)**  
Holds up to two motorized SLRs, 4 lenses and a flash. Comes with a 12" (30cm) mid divider and five side dividers. Interior dimensions are 12 x 7 x 7" (31 x 18 x 18cm) LHD. Weighs 3.2 lbs. (1.5kg).

**Item # TEP595B.....143.95**

**P595 Pro Pak Gray (P595G)**  
Same as above, but gray.  
**Item # TEP595G.....143.95**

**P795 Pro Pak Black (P795B)**  
Larger than above, with capacity for additional SLR. Features 16" mid divider and six side dividers. Interior dimensions are 16x7x7" (41x18x18cm) LHD, weight 14.9 lbs. (1.8kg).  
**Item # TEP795B.....173.95**

**P795 Pro Pak Gray (P795G)**  
Same as the above P795 Pro Pak, but gray color.  
**Item # TEP795G.....173.95**

**P895 Pro Pak Black (P895B)**  
Accommodates a 300mm lens vertically. Ideal for holding up to 2 motorized SLRs, 4 lenses and flash. Interior dimensions: 12 x 9.5 x 7" (31 x 24 x 18cm) LHD. Weighs 3.1 lbs. (1.4kg).  
**Item # TEP895B.....179.95**

**P895 Pro Pak Gray (P895G)**  
Same as above P895 Pro Pak, but gray color.  
**Item # TEP895G.....179.95**

**P995 Pro Pak Black (P995B)**  
Larger than the P895 Pro Pak. It will hold additional SLR and two lenses. Interior dimensions are 16 x 9.5 x 7" (41 x 24 x 18cm) LHD. Weighs 3.9 lbs. (1.8kg).  
**Item # TEP995B.....215.95**

**P995 Pro Pak Gray (P995G)**  
Same as above P995 Pro Pak, but gray color.  
**Item # TEP995G.....215.95**

**P998 Pro Pak Black (P998B)**  
Will hold two SLRs with two large lenses such as 70-210/2.8 or a 28-70/2.8. Interior dimensions are 18 x 10.5 x 8" (45.7x26.7x20.3cm) LHD. Weighs 4 lbs. (1.8kg).  
**Item # TEP998B.....239.95**

**P998 Pro Pak Gray (P998G)**  
Same as above P998 Pro Pak, but gray color.  
**Item # TEP998G.....239.95**



The Pro Traveler is made of Protek cloth, as tough as Cordura but non-abrasive to clothing, and it is water-proof coated. A comfortable padded shoulder strap with non-skid pad is provided. In addition to a detachable film net pocket, the Pro Traveler features 1000 pound test nylon webbing to hold top closing buckles, a torsion bar reinforced front to prevent bag from bowing out, a lens protection divider system, a tall camera cradle attached at full length with velcro, four bottom D rings for accessory use, two top pockets for business cards and



filters, and an extra padded top pocket for filters and film – with the top and bottom padded for super protection.

In addition, the Pro Traveler features a double top which combines the best qualities of a quick closing rain flap and a snow and dust proof zipper top, and a triple composite bottom for greater shock and vibration absorbency, consisting of open cell foam over dense closed cell foam over plywood. Available in black, with two side pockets and a front zippered pocket.

#### **P655 Pro Traveler (P655)**

Features a flat zipper pocket on the back, 2 camera caddies, one mid-divider and two side dividers. Holds up to two motorized SLRs, four lenses and a flash. Interior dimensions are 12 x 9 x 7" (31 x 23 x 17cm) LHD. Weighs 3.6 lbs. (1.6kg).

**Item # TEP655B.....137.95**

#### **P656 Pro Traveler**

**Medium Format (P656)**  
Same features as the 655, but with dividers fitted for medium format. Ideal for carrying a complete Hasselblad outfit, three additional backs, three lenses and a flash. Dimensions and weight are the same as the P655.

**Item # TEP656B.....137.95**

#### **P675 Pro Traveler**

**Medium Format (P675)**  
Features a flat zipper pocket on the back, 2 camera caddies, one mid divider and 4 side dividers. Will fit two motorized SLRs, one non-motorized SLR, seven lenses and a flash. Interior dimensions are 16 x 9 x 7" (41 x 23 x 18cm) LHD. Weighs 4.4 lbs. (2kg).

**Item # TEP675B.....173.95**

#### **P676 Pro Traveler**

**Medium Format (P676)**  
Same features as the P675, with dividers for medium format. Holds 2 additional lenses over the P656. Dimensions and weight are the same as the P675.

**Item # TEP676B.....173.95**

#### **P684 Pro Traveler (P684)**

The largest bag that fits under an airplane seat. Only 8" high and 13" wide when the rear pocket is expanded out to 3" wide. The rear pocket closes with buckles. To save space there is no padded top filter pocket, but it does have a standard film pocket top. Two camera caddies, two mid dividers, two side dividers and four tall side dividers. Holds 2 motorized SLR's, 1 non-motorized SLR, 9 lenses and a handle flash. Interior dimensions are 16 x 7 x 8" (41 x 18 x 20cm) LHD. Weighs 4.6 lbs. (2.1kg).

**Item # TEP684B.....203.95**

#### **P695 Pro Traveler (P695)**

The maximum size possible transport bag. Flat zipper pocket on the back. Features 2 camera caddies, two mid-dividers, 2 side dividers, 4 tall side dividers. Recommended for holding two motorized SLRs, ten lenses and a handle flash. Interior dimensions 16 x 10 x 8" (41 x 25 x 20cm) LHD. Weighs 5.3 lbs. (2.4kg).

**Item # TEP695B.....215.95**

#### **P696 Pro Traveler**

**Medium Format (P696)**  
Same features as the P695, with dividers for medium format cameras - particularly with an extra viewfinder and five lenses. Dimensions and weight are the same as the P695.

**Item # TEP696B.....215.95**



*P655  
Pro Traveler*

*P675  
Pro Traveler  
Medium Format*



Made of non-abrasive Protek cloth, Travelers bags are both waterproof and rugged. They feature leather trim-ming on the edges and front, and a comfortable leather hand grip. The double top system is a quick-closing rain-proof top, with a snow, dust and sand-proof zipper top. There is a removable net film pocket and a rear zipper pocket, as well as a comfortable shoulder strap with non-skid pad. The



lens Protector Divider System adjusts to hold 35mm SLR cameras with long lenses attached. A horizontal divider drops down to accommodate cameras with motor drives. The bottom of the Travelers bag features padded wood protection.

The Travelers models P554 and P534 have four D rings, which allow a tripod to be carried and other accessories to be attached.

P503 Black with Black Trim (P503BB)  
Item # TEP503BB.....**53.95**

P503 Black with Tan Trim (P503BT)  
Item # TEP503BT .....**53.95**

P503 Black with Brown Trim (P503BBR)  
Item # TEP503BBR.....**53.95**

P503 Black with Green Trim (P503BGR)  
Item # TEP503BGR.....**53.95**

P503M Black with Black Trim (P503MBB)  
Item # TEP503MBB.....**59.95**

P503M Black with Tan Trim (P503MBT)  
Item # TEP503MBT.....**59.95**

P503M Black with Brown Trim (P503MBBR)  
Item # TEP503MBBR .....**59.95**

P506 Black with Black Trim (P506BB)  
Item # TEP506BB.....**65.95**

P506 Black with Tan Trim (P506BT)  
Item # TEP506BT .....**65.95**

P506 Black with Brown Trim (P506BBR)  
Item # TEP506BBR.....**65.95**

P508 Black with Black Trim (P508BB)  
Item # TEP508BB.....**71.95**

P508 Black with Tan Trim (P508BT)  
Item # TEP508BT .....**71.95**

P508 Black with Brown Trim (P508BBR)  
Item # TEP508BBR.....**71.95**

P415 Black with Black Trim (P415BB)  
Item # TEP415BB.....**89.95**

P513 Black with Black Trim (P513BB)  
Item # TEP513BB .....**113.95**

P513 Black with Tan Trim (P513BT)  
Item # TEP513BT .....**113.95**

P513 Black with Brown Trim (P513BBR)  
Item # TEP513BBR.....**113.95**

P534 Black with Black Trim (P534BB)  
Item # TEP534BB.....**89.95**

P534 Black with Tan Trim (P534BT)  
Item # TEP534BT .....**89.95**

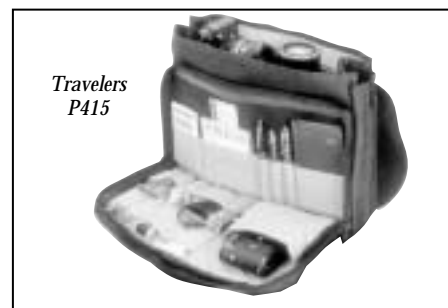
P534 Black with Brown Trim (P534BBR)  
Item # TEP534BBR.....**89.95**

P554 Black with Black Trim (P554BB)  
Item # TEP554BB .....**101.95**

P554 Black with Tan Trim (P554BT)  
Item # TEP554BT .....**101.95**

P554 Black with Brown Trim (P554BBR)  
Item # TEP554BBR.....**101.95**

PEIZT-13 Photo Expansion Insert (5043)  
For Traveler 513, 415. Use for the Traveler 415 when the bag is expanded. Comes with two camera caddies, 4 small dividers and one mid divider. Includes Lens Protection Divider System.  
Item # TE5043.....**38.95**



### TRAVELERS SPECIFICATIONS

Model	Recommended to Hold	Internal Dimensions L.H.D.	Weight
P503	Compact Camera, 2 Lenses	9 x 7 x 4.5" (23 x 18 x 12cm)	1.1 lbs. (480g)
P503M	Leica M6, 5 Lenses	9 x 7 x 4.5 (23 x 18 x 12cm)	1.1 lbs. (480g)
P506	SLR, 3 Lenses, Flash	11x 8.5 x 5" (28 x 22 x 13cm)	1.5 lbs. (680g)
P508	SLR, 3Lenses, Flash	13 x 8.5 x 5" (33 x 22 x 12cm)	2.6 lbs. (1160g)
P415	Motorized SLR, 4 Lenses, Flash	13.5 x 11 x 4-7" (34 x 28 x 10-18cm) when expanded	2.2 lbs. (1000g)
P513	Motorized SLR, 2 Lenses, Handle Flash	Same as P415, with Leather Trim	2.2 lbs. (1000g)
P534	Motorized SLR, 4 Lenses, Flash	10 x 8.5 x 6.5" (25 x 22 x 17cm)	2.4 lbs. (1080g)
P554	2 Motorized SLRs, 4 Lenses, Flash	12 x 8.5 x 6.5" (31 x 22 x 17cm)	2.6 lbs. (1160g)
5043 Expansion Kit	2 Motorized SLRs, 4 Lenses, Flash	13 x 9 x 7" (33 x 23 x 18cm)	.5 lb. (226g)

# TENBA

## VENTURES

### Ventures



Venture  
P309

The Tenba Venture is made of Protek cloth, a waterproof, rugged and easily-cleaned material. Features a comfortable rubber handgrip, a removable net film pocket, two outside zipper pockets for travel papers on front and back, a comfortable wide shoulder strap with non-skid pad, padded wood protection and 4 D rings on the 354 for Back Pack Harness or Waist Belt accessory. Its unique Lens Protector Divider System protects camera lenses above and below. The camera caddy system adjusts to hold SLRs with motor drives. Patented lens bridge allows suspension of long lenses. On the larger bag, there is a double top system with a quick closing rain proof top and a snow and sand proof zipper bottom.

**P301 Black (P301B)**  
**Item # TEP301B .....19.95**

**P301 Gray (P301G)**  
**Item # TEP301G .....19.95**

**P302 Black (P302B)**  
**Item # TEP302B .....19.95**

**P302 Gray (P302G)**  
**Item # TEP302G .....19.95**

**P303 Black (P303B)**  
**Item # TEP303B .....34.95**

**P303 Gray (P303G)**  
**Item # TEP303G .....34.95**

**P304 Black (P304B)**  
**Item # TEP304B .....35.95**

**P304 Gray (P304GR)**  
**Item # TEP304G .....35.95**

**P305 Black (P305B)**  
**Item # TEP305B .....52.95**

**P305 Gray (P305G)**  
**Item # TEP305G .....52.95**

**P306 Black (P306B)**  
**Item # TEP306B .....47.95**

**P306 Gray (P306G)**  
**Item # TEP306G .....47.95**

**P307 Black (P307B)**  
**Item # TEP307B .....48.95**

**Venture P307 Gray**  
**Item # TE307G .....48.95**

**P308 Black (P308B)**  
**Item # TEP308B .....53.95**

**P308 Gray (P308G)**  
**Item # TEP308G .....53.95**

**P309 Black (P309B)**  
**Item # TEP309B .....59.95**

**P309 Gray (P309G)**  
**Item # TEP309G .....59.95**

**P354 Black (P354B)**  
**Item # TEP354B .....83.95**

**P354 Gray (P354G)**  
**Item # TEP354G .....83.95**

### Photo Day Back Packs



Perfect for your day out. Holds an SLR with two extra lenses. Has a large area for clothing, food, etc., plus 2 extra pockets for small items. Interior dimensions: 15.5 x 11 x 7" (40 x 28 x 17.8cm) HWD. The separate camera section's interior dimensions are 8.5 x 7 x 4.5" (21.5 x 17.8 x 11.4cm) HWD. Weighs 1.4 lbs. (624g).

**Photo Day Pack Black (P151B)**  
**Item # TEP151B .....41.95**

**Photo Day Pack Gray (P151G)**  
**Item # TEP151G .....41.95**

**Photo Day Pack Green (P151GR)**  
**Item # TEP151GR .....41.95**

### VENTURE SPECIFICATIONS

Model	Features	Recommended to Hold	Int Dimensions L.H.D.	Weight
P301	-	Compact Auto Focus or Sony TR, SC Camcorder	4.5 x 6.5 x 3.5 (11 x 16 x 9cm)	9 oz. (255g)
P302	-	Olympus IS Series or Small SLR	5.3 x 7.5 x 5" (13 x 17 x 13cm)	13 oz. (370g)
P303	Front Zipper Pocket, 2 Side Dividers	Motorized SLR, Lens, Flash	9 x 7 x 4.5" (23 x 18 x 11cm)	1.3 lbs. (600g)
P304	Front Zip Pocket, 1 Side Divider, 1 Mid Divider	Motorized SLR, 3 Lenses	8.5 x 6 x 6" (22 x 15 x 15cm)	1.2 lbs. (540g)
P305	Double Top System, Front Zip Pocket, Belt Loops on the back, 2 Side Dividers	Motorized SLR, 4 Lenses	10 x 9 x 5" (25 x 23 x 13cm)	2.3 lbs. (1026g)
P306	Double Top System, Front Zip Pocket, 1 Camera Caddy, 2 Side Dividers	Motorized SLR, 2 Lenses, Handle Flash	11 x 8.5 x 5" (28 x 22 x 13cm)	2.1 lbs. (960g)
P307	Front and Back Zipper Pocket, 1 Camera Caddy, 2 Side Dividers	Motorized SLR, 4 Lenses Flash	9.5 x 8.5 x 6.5" (24 x 22 x 17cm)	2.3 lbs. (1050g)
P308	Double Top System, Front Zip Pocket, 1 Camera Caddy, 2 Side Dividers	Motorized SLR, 4 Lenses	13 x 8.5 x 5" (33 x 22 x 13cm)	2.5 lbs. (1140g)
P309	Double Top System, Front & Back Zipper Pockets, 1 Camera Caddy, 1 Mid Divider	SLR, 5 Lenses, Flash	12 x 9 x 6.5" (31 x 22 x 17cm)	3.4 lbs. (1560g)
P354	Double Top System, Front and Back Zipper Pocket, 2 Side Pockets, 2 Camera Caddies, 2 Side Dividers, 1 Mid Divider, D Rings	2 Motorized SLRs, 4 Lenses Flash	12 x 9 x 6.5" (31 x 22 x 17cm)	3.4 lbs. (1560g)

### Back Packs

#### P211 Slim Pack Black (P211B)

Contain a false bottom that can drop down or be reached separately by a zipper. With the false bottom in place, the top of the bag can be used for cameras and the bottom for film or accessories. Without the false bottom, carry papers or tape recording equipment. The top compartment has 3 dividers. The P211 is recommended for one motorized SLR, four lenses and a flash. Internal dimensions are 13x10x3" (33x25x8cm) LHD. Weighs 1.4 lbs. (624g).

Item # **TEP211B**.....**53.95**

#### P211 Slim Pack Gray (P211G)

Same as the P211 Slim Pak above, but in gray color.

Item # **TEP211G**.....**53.95**

#### P215 Slim Pack Black (P215B)

Main body can expand from 3 to 4" deep. A removable padded compartment comes with three dividers and one camera caddy. Interior dimensions: 13.5 x 11 x 4-7" (34 x 28 x 10-18cm) LHD. Weighs 3 lbs. (1.4kg).

Item # **TEP215B**.....**83.95**

#### P215 Slim Pack Gray (P215G)

Same as the P215 Slim Pak above, but in gray color.

Item # **TEP215G**.....**83.95**

#### P215 Photo Expansion Insert (5043)

For Slim Pack 215 when bag is expanded. With 2 camera caddies, four small dividers and one mid divider. Dimensions are 13 x 9 x 7" (33 x 23 x 18cm). Weighs .5 lb. (226g).

Item # **TE5043**.....**38.95**

### Companions and Waist Paks

The Companion Bag offers the same basic features as the Venture Series bag. It can also be used as a waist bag. Among its popular features – a built-in waist belt that stores in a hidden back pocket; two way closure – either with the quick closing rain proof top or the snow, sand and rain proof zipper top; a zipper pocket to store shoulder strap when not in use and a padded wood bottom. With the Waistpak, photo gear can be carried on hips for comfort and protection. It has a well padded tuck-away waist belt and a unique front/back opening system which allows easy and secure access from front or back. Tops open and close quickly. The top closes by nylon quick catch on front, as well as by a front/back zipper. There are rain flaps over all zippers. Additional features include a large front pocket with internal pockets for film, filters and pens, two flat outside pockets for pens and notes, a top pocket for filters and map, a mesh pocket under the top for film and accessories, and lash tabs underneath to hold a tripod or jacket.

#### Companion P203 Black (P203B)

Item # **TEP203B**.....**47.95**

#### Companion P203 Navy (P203N)

Item # **TEP203N**.....**47.95**

#### Companion P203 Gray (P203G)

Item # **TEP203G**.....**47.95**

#### Companion P206 Black (P206B)

Item # **TEP206B**.....**59.95**

#### Companion P206 Navy (P206N)

Item # **TEP206N**.....**59.95**

#### Companion P206 Gray (P206G)

Item # **TEP206G**.....**59.95**

#### Companion P209 Black (P209B)

Item # **TEP209B**.....**74.95**

#### Companion P209 Blue (P209N)

Item # **TEP209N**.....**74.95**

#### Companion P209 Gray (P209G)

Item # **TEP209G**.....**74.95**

#### Waistpak P242

(Tenba Cub) Gray (P242G)

Item # **TEP242G**.....**59.95**

#### Waistpak P243

(Tenba Bear) Black (P243B)

Item # **TEP243B**.....**83.95**

#### Waistpak P243

(Tenba Bear) Gray (P243G)

Item # **TEP243G**.....**83.95**

#### Waistpak P242 (Tenba Cub) Black (P242B)

Item # **TEP242B**.....**59.95**



Companion P206

Waist Pak  
(Tenba Bear)  
P243

### COMPANION/WAISTPAK SPECIFICATIONS

Model	Features	Recommended to Hold	Int Dimensions L.H.D.	Weight
P203	2 Side Dividers	SLR, Lens, Flash	9x7x4.5" (23x18x11cm)	1.7 lbs. (765g)
P206	1 Camera Caddy, 2 Side Dividers	SLR, 4 Lenses, Flash	11x8.5x5" (28x22x13cm)	2.5 lbs. (1130g)
P209	1 Camera Caddy, 2 Side Dividers, 1 Mid Divider, D Rings	Motorized SLR, 5 Lenses, Flash	12x8.5x6.5" (31x22x17cm)	3 lbs. (1360g)
P242	Flat Front Pocket, 430D Nylon Exterior	Motorized SLR, 5 Lenses, Flash	13.5x6.5x6" (34x17x15cm)	1.4 lbs. (670g)
P243	8.5" High Interior to Hold, Protek Ballistic Nylon Exterior	Motorized SLR, 6 Lenses, Flash	13.5x8.5x7" (34x22x18cm)	2.9 lbs. (1300g)

#### Back Packs

The Backpack's outer shell is padded with  $\frac{3}{8}$ " thick closed cell, cross linked foam. Internal frame is constructed with air channel polyethylene to keep it lightweight and to transmit the load for greater comfort. It features contoured shoulder pads, sternum straps, a 2" wide waist belt, two outside pockets for carrying film or accessories, lashing tabs on the side to attach a tripod, skis or an extra pocket, and rain cover flaps over all the zippers.

**P251 PBS Small Photo Backpack Black** (P251B)  
This thin and comfortable day pack holds a large SLR body mounted on either an 80-200mm f/2.8 lens or a 300mm f/4 lens, three extra lenses and flash. Interior dimensions are 9x13x4.5" (23x33x11cm), weight 2 lbs. (907g). Black color.  
**Item # TEP251B .....74.95**

**P251 BPS Small Photo Backpack Gray** (P251G)  
Same as above but in gray.  
**Item # TEP251G .....74.95**

**P252 PBP Photo Backpack Black** (P252B)  
Holds loads of equipment Comfortable to carry. Comes with three 12" dividers (MD12) and six 3" small dividers (SD3). Extra dividers are available at 3", 6", 8", 12" and 16". Int. dimensions are 11 x 17 x 6-4.5" (28 x 43 x 15-11cm LHD). Weight 2.5 lbs. (1130g). Black color.  
**Item # TEP252B .....109.95**

**P252 PBP Photo Backpack Gray** (P252G)  
Same as above, but in gray.  
**Item # TEP252G .....109.95**



PBS Small Photo Backpack

**P257 PBH Photo Backpack Black** (P257B)  
The P257 PBH holds either a ton of photographic equipment or an 8x10 field camera, along with film holders, lenses and dark cloth. The main body of the PBH opens fully by a zipper. Additionally, the bottom section can be reached through a separate zipper access. The top section will fit the PBH 8x10 bag, which is designed to hold an 8x10 field camera plus five film holders. The bottom section consists of a velcro divider system to allow custom arrangements of your equipment. It includes two 7" mid dividers and three side dividers. Internal dimensions are 15 x 25 x 8" (38 x 64 x 20cm) LHD. Weighs 8.3 lbs. (3.7kg). Black color.  
**Item # TEP257B .....251.95**

**P257 PBH Photo Backpack Gray** (P257G)  
Same as the above P257 PBH Photo Backpack, but in gray.  
**Item # TEP257G .....251.95**

**P253 PBL Backpack Black** (P253B)  
A large and comfortable backpack. Holds two SLR camera systems with long lenses, or a 5x7 view camera. Comes with four 12" long dividers (MD12) and nine 3" long dividers (SD3). Extra dividers are available at 3", 6", 8", 12" and 16". The interior dimensions are 12 x 21 x 6" (31 x 53 x 15cm) LHD. Weighs 3.3 lbs. (1500g).  
**Item # TEP253B .....169.95**

**P253 PBL Backpack Gray** (P255G)  
**Item # TEP253G .....169.95**

**P255 PBA Backpack Black** (P255B)  
Maximum sized case. Fits under an airline seat. Has a carrying handle on the side for easy transport, as well as three 3" side dividers, seven 5" dividers and three 15" dividers. Interior dimensions are 16 x 21 x 7" (41 x 53 x 18cm) LHD. Weighs 4.3 lbs. (1960g). Black color.  
**Item # TEP255B .....209.95**

**P255 PBA Backpack Gray** (P255G)  
Same as above, but in gray.  
**Item # TEP255G .....209.95**

#### Kelty Pack Frame and Accessories

**Kelty Pack Frame Medium** (5077M)  
The best external pack frame with padded waist belt, shoulder strap, mesh panels and adjustable length shoulder strap. For people under 5' 10". Weighs 4 lbs. 9 oz. (2069g).  
**Item # TE5077M .....174.95**

**Kelty Pack Frame Large** (5077L)  
Same as above, but in large, for people over 5' 10".  
**Item # TE5077L .....174.95**

**PBH for Kelty Frame** (P258B)  
Same as the PBH model with side flanges to attach to Kelty frame. Weighs 8 lbs. 6 oz. (2069g). Black color.  
**Item # TEP258B .....263.95**

**PBH for Kelty Frame** (P258G)  
Same as the above P258 KBH, in gray color.  
**Item # TEP258G .....263.95**

**PBHD Divider Set** (5037)  
Consists of one 15" mid divider, two 11" mid dividers and three side dividers.  
**Item # TE5037 .....44.95**

**PBA for Kelty Frame** (P256B)  
Same as PBA, with side flanges to attach to Kelty frame. Weighs 4 lbs. 6 oz. (1985g). Black color.  
**Item # TEP256B .....222.95**

**PBA for Kelty Frame** (P256G)  
Same as the above P256 PBA, in gray color.  
**Item # TEP256G .....222.95**

#### Back Pack Accessories

**PHP Padded Hip Pad** (5044)  
A massively padded conically cut hip belt with lumbar support. Attaches to the waist belt for extra comfort and support. Fits all backpacks except the small PBS. Dimensions are 11 x 8.5 x 5" (28 x 22 x 13cm) LHD. Weighs 2.5 lbs. (1130g).  
**Item # TE5044 .....29.95**

**PBL Side Pockets** (5038B)  
Set of two. Fits PBP, PBL and PBA Backpacks. Black color.  
**Item # TE5038B .....29.95**

**PBL Side Pockets** (5038G)  
Same as above in gray color.  
**Item # TE5038G .....29.95**

**PBHSP Side Pockets** (5075B)  
Set of two. Fits PBH Backpack. Black color.  
**Item # TE5075B .....29.95**

**PBHSP Side Pockets** (5075G)  
Same as the 5075 in gray color. Fits PBH Backpack.  
**Item # TE5075G .....29.95**

**PBSSP Side Pockets** (5076B)  
Set of two. Fits PBS Backpack. Black color.  
**Item # TE5076B .....29.95**

**PBSSP Side Pockets** (5076G)  
Same as the 5076 in gray color. Fits PBS Backpack.  
**Item # TE5076G .....29.95**

### Zoom Paks

**P131 Zoom Pak Black (P131B)**  
Fits an SLR camera with a short zoom lens attached. The top closes with a zipper and a rain/snow flap. It has an outside film pocket and a belt loop on the back. It can be carried by a shoulder strap or hand strap. An optional harness is available for strapping it to your chest. Dimensions are 7 x 8 x 4" (18 x 21 x 10cm) LHD. Weighs 9 oz. (200g). Black color.  
**Item # TEP131B.....19.95**

**P131 Zoom Pak Gray (P131G)**  
**Item # TEP131G .....19.50**

**P131 Zoom Pak Green (P131GR)**  
**Item # TEP131GR.....19.50**

**P231 Zoomster Black (P231B)**  
The same as above, but larger. Dimensions are 7 x 8 x 5" (18 x 20 x 13cm) LHD. Weighs 10 oz. (283g). Black color  
**Item # TEP231B.....32.50**

**P231 Zoomster Gray (P231G)**  
**Item # TE231G.....29.95**

**Zoom Pak Chest Harness (5056)**  
A comfortable way to carry your Zoom Pak. Attaches via 6 adjustable web straps with hooks.  
**Item # TECHZP.....11.95**



**P232 Zoomer Black (P232B)**  
All the same features as above, plus a large front pocket, two side pockets for pens and flash-light and a padded divider to separate lens on camera and extra lens. Dimensions are 7 x 10 x 5" (18 x 25 x 13cm) LHD. Weighs 14oz. (400g). Black color.  
**Item # TEP232B.....35.95**

**P232 Zoomer Gray (P232G)**  
Same as above but in Gray.  
**Item # TEP232G .....35.95**

**P233 Zoom LZ Black (P233)**  
Holds an EOS-1 or Nikon F4 with motor drive and 80-200mm f/2.8 AF lens, or a 300mm f/2.8 lens only. Specially designed for ski photography. Comes with six point suspension adjustable chest harness, flat zippered pocket under top and outside zippered pocket for film. Dimensions are 6-10x13 x3.5-6.5" (15-25x33x9-17cm) LHD. Weighs 1.3 lbs. (510g).  
**Item # TEP233 .....53.95**

### Metro Press Paks

Each Press Pak will hold a 300mm f/4 lens or an 80-200mm 2.8 lens upright with its 10" height. Features a longer top for better weather protection, a comfortable padded non-slip shoulder strap, secure solid welded metal hardware which holds the shoulder strap and handstrap to the bag, four extra side pockets for miscellaneous tools, four inside divider pockets to hide personal equipment, hard closed cell foam padded bottom lining and full width velcro to hold down the side pockets and larger area of velcro on the front to hold down the top. Scanner or two way radio pocket inside side pocket has weather protected slit for the antennae to protrude. Dividers are smooth lens or body sleeves with special bottoms to aid cleaning out dust. Velcro all around the inside rim allows attachment of dividers as desired.



**P839 Metro Press Pak Black**  
Includes two cell inserts. The P839 is recommended to fit a motorized SLR, three zoom lenses and flash. Interior dimensions are 9 x 10 x 7" (23 x 25 x 18cm) LHD. Weighs 3 lbs. (1360g).  
**Item # TEP839B.....83.95**

**P859 Metro Press Pak Black**  
Includes four cell insert. Recommended to fit two motorized SLRs, two zoom and two tele lenses, and two flashes. Interior dimensions are 12 x 10 x 7" (30 x 25 x 18cm) LHD. Weighs 3.4 lbs. (1560g).  
**Item # TEP859B.....95.95**

**P899 Metro Press Pak Black**  
Includes four cell insert. Recommended to fit two motorized SLRs, two non motorized SLRs, two zoom lenses, two tele lenses, two short lenses, two flashes. The interior dimensions are 17 x 10 x 7" (43 x 25 x 18cm) LHD, and it weighs 3.8 lbs. (1700g).  
**Item # TEP899B.....107.95**

**Metro Pak Cell Dividers**  
All dividers are fully padded on four sides and bottom. The short cell two cell divider will attach to the single cell and to all others but the three cell or two cell divider.

**2 Cell Short Divider (5080)**  
Attaches to 2 Cell. 4.5" (11cm) high.  
**Item # TE5080.....16.50**

**2 Cell Divider (5082)**  
3 x 3 x 9" (8 x 8 x 23cm).  
**Item # TE5082.....17.95**

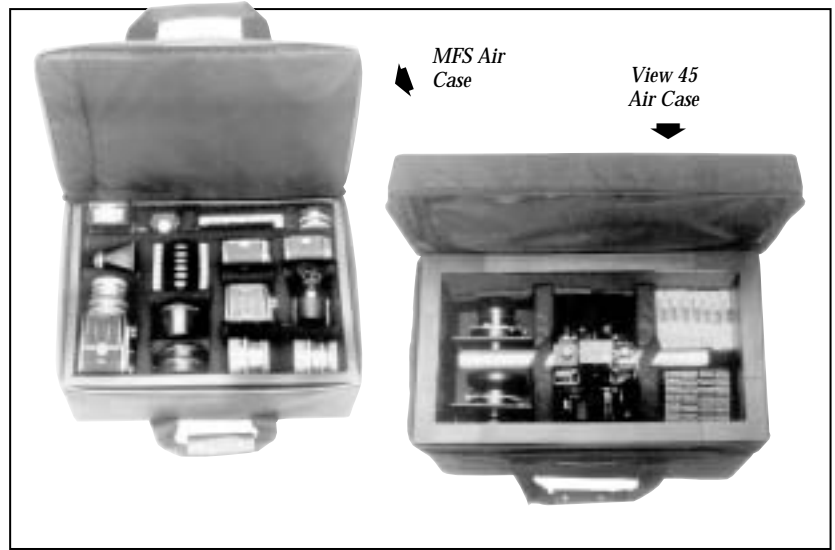
**3 Cell Divider (5083)**  
3 x 3 x 9" (8 x 8 x 23cm).  
**Item # TE5083.....19.95**

**4 Cell Divider (5084)**  
3 x 3 x 9" (8 x 8 x 23cm).  
**Item # TE5084.....23.95**

For additional cell inserts, see Tenba Accessories.



Air Cases are so sturdy and tough that one can stand on them even when empty. Air Cases are constructed of lightweight air channel plastic which is laminated onto high impact resistant closed cell foam, providing extra shock protection. They weigh one quarter the weight of Anvil hard shell metal cases. This rigid shock proof box is then covered with a soft nylon fabric shell. The outer shell is made of Protek nylon, a water repellent, puncture resistant, ballistic nylon that is capable of withstanding the most demanding conditions. Premium materials and quality workmanship are employed. A cushioned leather handgrip lessens hand fatigue with heavy loads. Foam padding is used with cross-linked, closed cell fabric, and a smooth outer appearance results from soft foam padding of the outer Protek cloth employed for shock protection. These features make the Air Cases a great investment for the pro photographer and videographer.



#### MF Air Max Case (1002)

A medium format design. The max. size to fit under an airline seat. Air case protection with multiple dividers to custom fit your equipment.

**Item # TE1002.....239.95**

#### Air Max 3.5 Case (1004)

Specially sized to hold 35mm SLR equipment, or Macintosh Powerbook and small computer accessories.

**Item # TE1004.....208.95**

#### Air Max 4.5 Case (1003)

Inside height of 4½" specifically partitioned for medium format equipment. Contains three 14" dividers and nine 4" dividers.

**Item # TE1003.....233.95**

#### MFS Air Case (1005)

Medium format. Air case protection with multiple dividers that can be customized to fit equipment exactly.

**Item # TE1005.....209.95**

#### MFVS Air Case (1008)

Holds a 4x5 field camera, three lenses and six film holders or other camera equipment. One fixed divider and custom fitting dividers.

**Item # TE1008.....173.95**

#### Multi Air Case (1001)

Holds small heads, monolights or a Hasselblad projector or Dukane overhead projector. Air Case protection with multiple dividers for exact custom fit.

**Item # TE1001.....263.95**

#### View 810 Air Case (1025)

Holds all 8x10 view cameras. Has two movable dividers grooved to accept monorail, with a retaining strap to lock down the monorail. Plenty of room for film holders, extra lenses, Polaroid packs, etc. Also holds HP LaserJet III printer.

**Item # TE1025.....311.95**

#### System 1 Air Case (1022)

One long movable divider. Two small movable dividers, either 6" long (SYS1-6) or 8" long (SYS1-8). Light stands and umbrellas fit into the long section. Power pack and heads fit into the three small sections.

**Item # TE1022.....287.95**

#### Head 2 Air Case (1024)

Holds Speedotron 1205 or 2405 pack and 2 heads, plus small light stand. 1 movable divider 12" high.

**Item # TE1024.....227.95**

#### Head 3 Air Case (1023)

Holds complete lighting kit - three large Speedotron heads, three light stands, two umbrellas, plus cables, reflectors, etc. Has two movable dividers 12" high.

**Item # TE1023.....251.95**

#### Head 4 Air Case (1021)

Holds complete lighting kit - four large Speedotron heads, three light stands, two umbrellas, plus cables, reflectors, etc. Has two movable dividers 12" high.

**Item # TE1021.....287.95**

#### View 45 Air Case (1026)

Holds all 4x5 cameras, has two movable dividers grooved to accept monorail, with a retaining strap to lock down the monorail. Plenty of room for film holders, extra lenses, Polaroid packs, etc. Also holds Bogen wind machine and carousel trays.

**Item # TE1026.....263.95**

*Air Cases are continued on the following page*

### Air Cases, *continued*

**Bron F2 Air Case** (1052)  
Holds Broncolor, Flashman and two heads or Comet 2400 CS paks and 4 heads.  
**Item # TE1052.....269.95**

**Bron F4 Air Case** (1058)  
Holds Broncolor, Pulso 2, Pulso 4.  
**Item # TE1058.....203.95**

**Dyn 13 Air Case** (1059)  
Holds Dynalite M500 or M1000 pack and three heads.  
**Item # TE1059.....203.95**

**Dyn 24 Air Case** (1054)  
Holds 2 Dynalite M1000 packs and 4 heads.  
**Item # TE1054.....227.95**

**EL 202 Air Case** (1055)  
Holds Elinchrome 101 or 102 pack with 5cm room left for cable.  
**Item # TE1055.....227.95**

**Norm 2K2 Air Case** (1053)  
Holds two Norman 400B or C kits, two sets of power supplies, heads, reflectors, cables, accessories and extra batteries.  
**Item # TE1053.....203.95**

**Norm 4 Air Case** (1056)  
Holds Norman 2000 or 4000 power packs plus cables.  
**Item # TE1056.....203.95**

**Norm 822 Air Case** (1051)  
Holds two Norman SL 800 power packs, plus 2 heads, reflectors, umbrellas.  
**Item # TE1051.....203.95**

**Projector 3 Air Case** (1060)  
Holds Kodak projector, boxed slide tray.  
**Item # TE1060.....179.95**

### Air Case Accessories

**Extra Dividers** (5012)  
Extra divider set for the Air Max. 4 dividers 19x5" (48x13cm) and 20 pieces of velcro hook.  
**Item # TE5012.....39.95**

**Extra Divider** (5013)  
For Head 2, 3 or 4 Air Cases. 8x12" (20x30cm).  
**Item # TE5013.....16.50**

**Extra Divider** (5014)  
For View 45 Air Case.  
**Item # TE5014.....22.50**

### AIR CASES SPECIFICATIONS

Model	Exterior Dimensions L.H.D.	Interior Dimensions L.H.D.	Weight
MF Air Max (1002)	21 x 8 x 16" (53 x 20 x 41cm)	19 x 6.5 x 14.5" (48 x 17 x 37cm)	9.6 lbs. (4.4kg)
Air Max 4.5 (1003)	21 x 6.3 x 16" (53 x 16 x 41cm)	19 x 4.5 x 14.5 (48 x 11 x 37cm)	9 lbs. (4kg)
MFS 3.5 (1004)	21 x 5.25 x 16" (53 x 13 x 41cm)	9 x 3.5 x 14.5" (48 x 9 x 37cm)	8.5 lbs. (3.8kg)
MFS (1005)	18 x 7 x 14" (46 x 18 x 36cm)	16.5 x 5.5 x 12.5" (42 x 14 x 32cm)	7.9 lbs. (3.6kg)
MFVS (1008)	18.3 x 6.3 x 10.8" (46 x 16 x 27cm)	16.5 x 4.5 x 9" (42 x 11 x 23cm)	5.3 lbs. (2.4kg)
Multi (1001)	24.5 x 10.5 x 17.5 (62 x 27 x 46cm)	22 x 8 x 15" (56 x 20 x 38cm)	13 lbs. (6kg)
System 1 (1022)	33.5 x 13.5 x 12.8" (85 x 34 x 32cm)	30.5 x 11 x 10" (78 x 28 x 25cm)	11 lbs. (5kg)
Head 2 (1024)	23.5 x 16.5 x 10.5" (60 x 42 x 27cm)	21 x 14 x 8" (53 x 36 x 20cm)	10 lbs. (4.5kg)
Head 3 (1023)	30.5 x 16.5 x 10.5" (78 x 42 x 27cm)	28 x 14 x 8" (71 x 36 x 20cm)	12.3 lbs. (5.6kg)
Head 4 (1021)	37.5 x 16.5 x 10.5" (95 x 42 x 27cm)	35 x 14 x 8" (89 x 36 x 20cm)	15 lb. (6.8kg)
View 45 (1026)	24 x 19 x 13.5" (61 x 48 x 34cm)	21.5 x 16.5 x 11" (55 x 42 x 28cm)	11.7 lbs. (5.3kg)
View 810 (1025)	20.5 x 23 x 19.5" (52 x 58 x 50cm)	18 x 20.5 x 17" (46 x 52 x 43cm)	15.4 lbs. (7kg)
Bron F2 (1052)	27.8 x 16.5 x 14.5" (70 x 42 x 37cm)	24.8 x 14 x 11.8" (63 x 36 x 30cm)	15 lbs. (6.8kg)
Bron P4 (1058)	15.9 x 19 x 11.5" (41 x 48 x 29cm)	13.4 x 16.5 x 9" (34 x 42 x 23cm)	6.8 lbs. (3kg)
Dyn-13 (1059)	15.9 x 18.5 x 11.5" (40 x 48 x 29cm)	6 x 16 x 7.3" (15 x 41 x 18cm) [2 compartments]	7.5 lbs. (3.4kg)
Dyn-24 (1054)	23.3 x 18.5 x 9.8" (59 x 47 x 25cm)	6 x 16 x 7.3" (15 x 41 x 18cm) [3 compartments]	10.8 lbs. (4.9kg)
Ei-202 (1055)	22.5 x 17.8 x 8.4" (57 x 45 x 21cm)	19.8 x 15.8 x 5.6" (50 x 38 x 15cm)	7.9 lbs. (3.6kg)
Norm-2K2 (1053)	24.9 x 14 x 8.5" (63 x 36 x 22cm)	9.5 x 11 x 6" (24 x 28 x 15cm) [2 compartments]	7.2 lbs. (3.3kg)
Norm 4 (1056)	19 x 16.5 x 9.5" (48 x 42 x 24cm)	16.5 x 14 x 7" (42 x 36 x 18cm)	6.5 lbs. (3kg)
Norm-822 (1051)	29.8 x 11.8 x 10.3" (76 x 30 x 26cm)	13 x 9.5 x 6.8" (33 x 24 x 15cm) [3 compartments] 5.8 x 9.3 x 7.8" (15 x 24 x 20cm) [2 compartments]	9.3 lbs. (4.2kg)
Projector 3 (1060)	15.6 x 16 x 11" (40 x 41 x 28cm)	12.8 x 13 x 4.8" (32 x 33 x 12cm) and 12.8 x 13 x 2.9" (32 x 33 x 7cm) [2 compartments]	6.8 lbs. (2.8cm)

## COMPUTER, PRINTER, MONITOR AIR CASES

### Computer Air Cases

**Attache Style Air Case** (Q700)  
Holds Macintosh Quadra 700, Mac ci, etc. Velcro attached dividers allow for a custom fit.  
**Item # TEQ700.....209.95**

**Top Load Air Case** (Q840)  
Holds Power Mac 8100, Quadra 800, 840AV or similar computer.  
**Item # TEQ840.....239.95**



**Q950 Top Loading Air Case** (Q950)  
Holds Mac Quadra 950 or similar computer.  
**Item # TEQ950.....263.95**

**View 45** (1026)  
Holds tower (Power Mac 8100, 8500), hard drive and keyboard.  
**Item # TE1026.....263.95**

**View 810** (1025)  
Holds CPU, 14" monitor, keyboard, external speakers and CD-ROM, or carries an HP LaserJet III printer.  
**Item # TE1025.....311.95**

**Multi Air Case** (1001)  
Fits all desktop CPUs. Velcro attached dividers allow custom fits.  
**Item # TE1001.....263.95**

**Air Max** (1002)  
Maximum size to fit under an airline seat, according to ATA and IATA specifications. Holds a Power Mac 7100, Quadra 700 or Mac CI, etc. and an extended keyboard. Velcro attached dividers allow customizing fit of equipment.  
**Item # TE1002.....239.95**

### Printer Air Cases

**Printer 2 Air Case** (PRINTER 2)  
Front opens for side loading. Holds two page printer and peripherals (i.e. Super Mac and three boxes of A3 paper, ribbons, extra tray, SCSI interface, extra hard drive, presentation portfolio and easel.)  
**Item # TEP2Q.....359.95**

**QMS Air Case** (QMS)  
Fits QMS printers. Dividers allows custom fit of equipment.  
**Item # TEQMS.....311.95**

### Computer Air Cases

**AC Notebook** (1009)  
Holds notebook, power supply and other accessories.  
**Item # TEACN.....T.B.A.**

**AC MFS** (1005)  
With dividers to custom fit your equipment.  
**Item # TE1005.....209.95**

### Monitor Air Cases

**AC Mon 15 Air Case** (1038)  
Holds a 15" monitor.  
**Item # TE1038.....191.95**

**AC Mon 21 Air Case** (1036)  
Holds a 21" monitor.  
**Item # TEM21.....311.95**

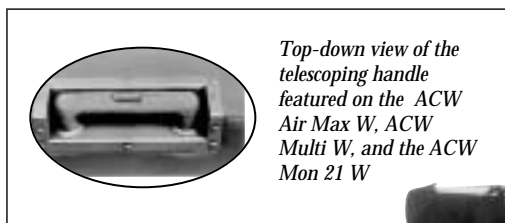
**AC Mon 17 Air Case** (1037)  
Holds a 17" monitor.  
**Item # TEM17.....239.95**

**AC Mon 29 Air Case** (1031)  
Holds a 29" monitor.  
**Item # TEM29.....335.95**

### COMPUTER AIR CASE SPECIFICATIONS

Model	Exterior Dimensions L.H.D.	Interior Dimensions L.H.D.	Weight
Q700	18 x 7 x 14" (46 x 18 x 36cm)	16.5 x 5.5 x 12.5" (42 x 24 x 32cm)	7.9 lbs. (3.6kg)
Q840	18 x 16 x 10.5" (46 x 41 x 27cm)	16.5 x 14.5 x 9" (42 x 37 x 23cm)	7.8 lbs. (3.5kg)
Q950	24 x 21.5 x 13.5" (61 x 55 x 34cm)	22 x 19 x 11" (55 x 43 x 28cm)	10.3 lbs. (4.6kg)
View 45 (1026)	24 x 19 x 13.5" (61 x 48 x 34cm)	21.5 x 16.5 x 11" (55 x 42 x 28cm)	11.7 lbs. (5.3kg)
View 810 (1025)	20.5 x 23 x 19.5" (52 x 58 x 50cm)	18 x 20.5 x 17" (46 x 52 x 43cm)	15.4 lbs. (7kg)
Air Max (1002)	21 x 8 x 16" (53 x 20 x 41cm)	19 x 6.5 x 14.5" (48 x 17 x 37cm)	9.6 lbs. (4.4kg)
Multi Air (1001)	24.5 x 10.5 x 17.5" (62 x 27 x 46cm)	22 x 8 x 15" (56 x 20 x 38cm)	13 lbs. (6kg)
Printer 2	28.5 x 23 x 22.5" (72 x 58 x 50cm)	26 x 20.5 x 20" (66 x 52 x 51cm)	22 lb. (10kg)
QMS	21.5 x 24.5 x 19.5" (55 x 62 x 50cm)	19 x 22 x 17" (48 x 56 x 43cm)	13 lbs. (7.2kg)
AC Notebook (1009)	18.25 x 4.25 x 10.75" (46 x 11 x 27cm)	16.5 x 2.5 x 9" (42 x 6 x 23cm)	4 lbs. (1.8kg)
AC MFS (1005)	18 x 7 x 14" (45 x 18 x 36cm)	16.5 x 5.5 x 12.5" (42 x 14 x 32cm)	7.95 lbs. (3.6kg)
AC Mon 15	18 x 18 x 17.25" (45 x 45 x 44cm)	15.5 x 15.5 x 14.75" (40 x 33 x 34cm)	9.13 lbs. (4.5kg)
AC Mon 17	20.5 x 19 x 19.5" (52 x 48 x 50cm)	18 x 16.5 x 17" (46 x 42 x 43cm)	18 lbs. (8.2kg)
AC Mon 21	22.5 x 23.5 x 24" (57 x 60 x 61cm)	20 x 21 x 21.5" (51 x 53 x 55cm)	18 lbs. (8.2kg)
AC Mon 29	27.5 x 24 x 22" (70 x 61 x 56cm)	25.625 x 21.75 x 20.25" (65 x 55 x 51cm)	24 lbs. (10.9kg)

### Air Case Wheelies



Top-down view of the telescoping handle featured on the ACW Air Max W, ACW Air Max W, ACW Multi W, and the ACW Mon 21 W

Take a weight off your shoulders and put your heavy camera equipment on wheels with Air Cases on Wheels. The most popular cases were selected, varying slightly in size to accommodate the wheel assembly. Manufactured of the same high quality material as the standard air cases, they meet ATA specifications and have the same one year guarantee.

#### ACW Air Max W (1102)

A top loading case with handle that can recess completely. Maximum size to fit under an airline seat. Velcro attached dividers allow custom fitting of equipment.

Item # **TEAMW**.....**359.95**

#### ACW Multi W (1101)

A top loading case with handle that can recess completely. Fits all desktop CPUs. Velcro attached dividers allow custom fitting of equipment.

Item # **TEMW**.....**383.95**

#### ACW Mon 15W (1138)

A top loading case with externally mounted handle. Holds 15" monitor.

Item # **TEM15W**.....**311.95**

#### ACW Mon 17W (1140)

A top loading case with externally mounted handle. Holds 17" monitor.

Item # **TEM17W**.....**359.95**

#### ACW Mon 21W (1136)

With fully recessed handles and hidden assembly. Holds 20" or 21" monitor.

Item # **TEM21W**.....**431.95**

#### ACW View 45W (1126)

A top loading case with externally mounted handle. Holds Tower computer or Mini Tower computer.

Item # **TEV45W**.....**383.95**

#### ACW CS15W (1125)

A top loading case with externally mounted handle. Holds CPU, 15" and peripherals.

Item # **TECS15W**.....**419.95**

### Wedding Case

The Wedding Case is specifically designed for wedding photographers to carry camera and small strobe, already set up, just the way it is needed, ready for action. It holds any medium format camera with lens, back and compendium hood, attached to any strobe bracket, mounted with any of the large portable master strobes (Quantum Q Flash, Metz etc.). The camera set up is held securely in the case by three padded movable inserts which are included and attach to the long sides with velcro.



#### Wedding Case (2001)

With padded insert, magazine and lens pak. Smooth, tough, easy to clean, Protek nylon cloth exterior. Padded with closed cell foam and rigid with Tenba's air channel plastic. Excellent protection for car and hand transportation. Interior dimensions are 22 x 9 x 11" (56 x 23 x 28cm) LHD. Weighs 2.9 lbs. (1.3kg).

Item # **TE2001**.....**179.95**

### Additional Accessories

#### PP-12 Padded Insert (5040)

With two padded movable dividers. The PP-12 is used with the Wedding Case. The dimensions are 12 x 9 x 4.5" (30 x 23 x 11cm) LHD.

Item # **TE5040**.....**14.95**

#### MP Magazine Pak (5034)

For any medium format back. Inside pocket holds a dark slide. Belt loop and D rings for shoulder strap. Dimensions are 4 x 5.5 x 2.5" (10 x 14 x 6cm) LHD.

Item # **TE5034**.....**14.95**

#### LPZ-4 Lens Pak (5057)

Holds medium format lenses up to 150mm. Top closes with zipper. Belt loop and D rings for shoulder strap. Dimensions are 5x5.5x3.5" (10x13x9cm) LHD.

Item # **TE5057**.....**22.50**

### AIR CASE WHEELS SPECIFICATIONS

Model	Inside Dimensions L.H.D.	Weight
Air Max W	19 x 5.5 x 14.5" (48 x 14 x 37cm)	14.3 lbs. (6.5kg)
Multi W	22 x 8 x 15" (56 x 20 x 38cm)	18 lbs. (5.1kg)
Mon 15W	15.5 x 15.5 x 14.75" (40 x 40 x 34cm)	15 lbs. (6.8kg)
Mon 17W	18 x 18.5 x 19.5" (46 x 47 x 50cm)	23 lbs. (10.4kg)
Mon 21W	20 x 21 x 21.5" (51 x 53 x 55cm)	23 lbs. (10.4kg)
View 45W	21.5 x 16.5 x 11" (55 x 42 x 28cm)	17 lbs. (7.7kg)
CS15W	18 x 20.5 x 17" (46 x 52 x 43cm)	20.5 lbs. (9.3kg)

## TRI PAKS/PAT TRIPOD AND LIGHTSTAND, LONG LENS BAGS

### Tri Paks/Pat Tripod and Lightstand Bags

The easy way to transport light stands, umbrellas, cables and tripods. The strap goes all the way around the bag and can be carried over the shoulder or on the back. Zippers are full length, and there is a wood bottom liner to prevent damage from spiked legs. A small outside pocket fits notes and accessories. Triangular tri Paks are made of Tenbalite padding and are air shippable. They come with tie down straps on the inside for holding tripods or lightstands. A convenient protective cloth panel lies on top to shield umbrellas and banks from abrasion. Pat Paks are also air shippable and made of the same Tenbalite construction. They accommodate four light stands or umbrellas in individual sleeves, a tripod along with two extra pockets for small clamps and accessories, plus a wide band of webbing to attach small clips. Folds for storage. Opens with three zippers so it lies flat and has webbing sleeves to enable suspension from an autopoie to organize a studio on location.



**Tri Pak Black (T325B)**  
**Item # TET325B.....32.50**

**Tri Pak Gray (T325G)**  
**Item # TET325G.....32.50**

**Tri Pak Black (T385B)**  
**Item # TET385B.....38.95**

**Tri Pak Gray (T385G)**  
**Item # TET385G.....38.95**

**Tri Pak Black (T388B)**  
**Item # TET388B.....44.95**

**Tri Pak Gray (T388G)**  
**Item # TET388G.....44.95**

**Tri Pak Black (T488B)**  
**Item # TET488B.....49.95**

**Tri Pak Gray (T488G)**  
**Item # TET488G.....49.95**

**Tri Pak Black (T538B)**  
**Item # TET538B.....58.50**

**Tri Pak Gray (T538G)**  
**Item # TET538G.....58.50**

**Tri Pak Black (T7010B)**  
**Item # TET7010B.....68.95**

**Tri Pak Black (T8412)**  
**Item # TET8412B.....112.50**

**Triangular Tri Pak Black (TTP34)**  
**Item # TETTP34B.....99.95**

**Triangular Tri Pak Black (TTP46)**  
**Item # TETTP46B.....119.95**

**Triangular Tri Pak Black (TTP75)**  
**Item # TETTP75B.....191.95**

**Pat Pak Black (1030)**  
**Item # TE1030.....179.95**

**Pat 50 Black (1031P)**  
**Item # TE1031.....215.95**

### TRIPOD and LIGHTSTAND SPECIFICATIONS

Model	Fits Up To	Padding	Dimensions L.D.	Weight
T325	32" (81cm)	Unpadded	32x5.3" (81x13cm)	1.8 lbs. (680g)
T385	38" (97cm)	Unpadded	38x5.3" (97x13cm)	1.1 lbs. (400g)
T388	38" (97cm)	Unpadded	38x8.5" (97x22cm)	1.8 lbs. (680g)
T488	48" (122cm)	Unpadded	48x8.5" (122x22cm)	2.5 lbs. (1.1kg)
T538	53" (135cm)	Unpadded	53x8.5" (135x22cm)	2.8 lbs. (1.3kg)
T7010	70" (178cm)	Unpadded	70x10" (178x25cm)	3 lbs. (1.4kg)
T8412	84" (213cm)	Unpadded	84x12" (213x31cm)	3.3 lbs. 91.4kg)
TTP34	34" (86cm)	Padded (Air Shippable)	34x6x5" (86x15x13cm) L.H.D.	3.5 lbs. 91.6kg)
TTP46	46" (117cm)	Padded (Air Shippable)	46x9x7.5" (117x23x19cm)	4.8 lbs. (2.2kg)
TTP75	75" (190cm)	Padded (Air Shippable)	75x9x7.5" (190x23x19cm)	7.1 lbs. (3.2kg)
PAT (1030)	42" (107cm)	Padded (Air Shippable)	42x14x14" (107x36x36cm)	10 lbs. (4.5kg)
PAT 50 (1031)	50" (127cm)	Padded (Air Shippable)	50x14x14" (127x36x36cm)	11.5 lbs. (5.2kg)

### Long Lens Bags

Carry a 35mm SLR with lens attached or just a long lens, plus an extra camera body in the front pocket. Interior and exterior pouches for accessories and personal items and also has an outside monopod holder strap. Constructed with water-resistant tough Protek ballistic nylon. Has quick-release buckle closures and/or complete secure zipper closure. Padded throughout with closed-cell, high density cross-linked foam, with additional stiff, padded, corrugated plastic bottom liner.



**Long Lens Bag 300 (LL300)**  
Holds a 300mm f/2.8 AF lens and EOS-1 or Nikon 4S and Power Booster or Powerlight 600. Dimensions are 6.5x13.5x6.5" (17x34x17cm) LHD, weight 1.9 lbs. (880g).  
**Item # TELL300.....83.95**

**Long Lens Bag 400 (LL400)**  
Holds 400mm f/2.8 or Nikon 500mm f/4 with hood collapsed, camera and motor drive or Powerlight 1500. 7.5x19.5x7.5" (19x48x19cm) LHD, weight 2.4 lbs. (1.1kg).  
**Item # TELL400.....95.95**

**Long Lens Bag (LL600)**  
Holds 600mm f/4 AF lens and EOS-1 or Nikon 4S and Power Booster. Dimensions are 7.5x23.5x7.5" (19x60x19cm), weight 2.9 lbs. (1.3kg).  
**Item # TELL600.....107.95**



### Rain Covers

Provides full rain protection for all 35mm cameras with or without motor drives with large fast lenses. The Rain Cover is a no-seam, one piece construction of thin 200D waterproof coated nylon pack cloth and covers from the lens hood to the view finder and wraps under and around the camera so you keep on shooting. Thin nylon allows feeling and operating the changing of film. Cover attaches with velcro to the lens hood and the camera base. A slit beneath the lens enables camera be held by hand or the lens to be mounted on a tripod. Operate the camera through the nylon pack cloth with the see-through clear plastic viewfinder. The back bellows out so that it can be swung open and film changed while still under rain protection. Black color. Includes belt pouch.



#### RC9

For camera with 28-30mm lens and hood. 9" (23cm) long.

Item # **TERC9** .....**32.50**

#### RC14

For a camera with a 80-200mm lens and hood. 14" (36cm) long.

Item # **TERC14** .....**32.50**

#### RC26

For camera with 600mm lens and hood. 26" (66cm) long.

Item # **TERC26** .....**58.50**

#### RC18

For camera with 300mm lens and hood. 18" (46cm) long.

Item # **TERC18** .....**32.50**

#### RC24

For a camera with a 400mm lens and hood. 24" (61cm) long.

Item # **TERC24** .....**44.95**

### Portfolio Cases

The Portfolio Cases features a detachable shoulder strap and a comfortable leather handle. The top closes quickly and securely for complete weather protection. The top, bottom and sides are fully padded with a closed cell, cross-linked foam, and the exterior is constructed of padded Protek nylon, easily cleaned, as strong as Cordura, yet easier on clothing. There is a large zippered rear pocket for papers and tear sheets, as well as a leather ID tag for a business card. All cases come in black.



#### Port 810

Item # **TE810** .....**53.95**

#### Port 1114

Item # **TE1114** .....**71.95**

#### Port 1620

Item # **TE1620** .....**99.50**

### Portfolio Air Cases

These black cases are shippable. Leather trimmed, they are hard sided and include large front pockets.

#### Port Air 1114 (PA1114)

Item # **TE1114Q** .....**107.95**

#### Port Air 1315 (PA1315)

Item # **TE1315** .....**119.95**

### Portfolio Fedex Cases

Designed to be shipped by Federal Express (similar to Port Airs, without side pockets or leather trim), the Fedex cases feature a clear Velcro-closing pouch to insert a bill of lading.

#### Port Air Fedex 1114 (PAFE1114)

Item # **TEFE1114** .....**95.95**

#### Port Air Fedex 1315 (PAFE1315)

Item # **TEFE1315** .....**107.95**

### PORTFOLIO CASE SPECIFICATIONS

Model	Holds Archival Box	Interior Dimensions L.H.D.	Weight
Port 810	8x10"	11.5 x 9 x 3" (29 x 23 x 8cm)	2 lbs. (900g)
Port 1114	11x14"	16 x 12.3 x 3" (41 x 32 x 8cm)	2.3 lbs. (1kg)
Port 1418	14x18"	20 x 15 x 3" (41 x 32 x 8cm)	2.6 lbs. (1.5kg)
Port 1620	16x20"	21 x 17 x 3" (53 x 43 x 8cm)	3.1 lbs. (1.8kg)
Port Air 1114	11x14"	11.3 x 14.5 x 3" (29 x 37 x 8cm)	2.9 lbs. (1.3kg)
Port Air 1315	11x14" Bound Book	13.5 x 15.5 x 3" (34 x 39 x 8cm)	3.6 lbs. (1.6kg)
Port Air Fedex 1114	11x14"	11.3 x 14.5 x 3" (29 x 37 x 8cm)	2.8 lbs. (1.3kg)
Port Air Fedex 1315	11x14" Bound Book	13.5 x 15.5 x 3" (34 x 39 x 8cm)	3.4 lbs. (1.5kg)

## COMPUTER TRAVELERS / MISC. ACCESSORIES

### Computer Travelers

Made of Protek cloth and designed to function as a rugged equipment carrying case. Has organizing features of a briefcase and the extra room needed in a travel bag. Works as a protective carrying case for computer and accessories. Keeps all business papers and tools organized. Features an easy-to-reach secure pocket for airline tickets and passport, as well as many pockets, a padded front pocket and a large rear open pocket. Unzip the bag's sides to double the bag's capacity. Has a comfortable leather handgrip, and wide firm shoulder strap. The Executive Travelers added feature saddle leather trimmings, corners and patches for a polished executive look.



### Misc. Accessories

**Photo Insert** (5045)  
Holds an 35mm SLR and 4 lenses. Dimensions: 13 x 10 x 3.5" (33 x 25 x 9cm) LHD.  
**Item # TE5045.....14.95**

**Photo Expansion Insert** (5039)  
Dimensions: 13 x 9 x 4.5" (33 x 23 x 11cm) LHD.  
**Item # TE5039.....29.95**

**Photo Expansion Insert** (5041)  
Dimensions: 13 x 9 x 7" (33 x 25 x 17cm) LHD.  
**Item # TEPEI13.....32.95**

**Photo Expansion Insert** (5042)  
Dimensions: 16 x 10 x 6.5" (41 x 25 x 17cm) LHD.  
**Item # TE5042.....34.95**

**Photo Expansion Insert** (5043)  
Holds 2 35mm SLR kits and 6 lenses. Dimensions 13 x 9 x 7" (33 x 25 x 18cm) LHD.  
**Item # TE5043.....38.95**

**SD8 Side Divider** (5047)  
8" high.  
**Item # TE5047.....4.95**

**SP Shoulder Pad** (5002)  
Snaps over shoulder straps, up to 3".  
**Item # TE5002.....17.95**

**Super Shoulder Strap** (5048)  
2" wide padded nylon strap. Attaches with swivel snap hooks.  
**Item # TE5048.....26.95**

**WP Waist Belt** (5055)  
With center buckler and snap hooks to attach to bag's D rings.  
**Item # TE5055.....12.50**

**Leather Handgrip for Luggage Cart** (6016)  
Attaches with velcro. Wraps around handgrip of bag and around mid or top grip of luggage cart.  
**Item # TEHW.....9.95**

**Back Pack Harness** (5001)  
For Pro Paks and Pro Travelers.  
**Item # TE5001.....35.95**

#### C413 and C513 SERIES

Dimensions are 13.5 x 11" (34 x 28cm), they are expandable from 4" to 7" (10-18cm) and weigh 2 lbs. (907g).

**Computer Traveler Black** (C413)  
**Item # TEC413.....95.95**

**Computer Traveler with Backpack Harness Black** (C413B)  
**Item # TEC413B .....107.95**

**Executive Traveler Black and Black Trim** (C513BB)  
**Item # TEC513BB.....113.95**

**Executive Traveler Black and Tan Trim** (C513BT)  
**Item # TEC513BT.....113.95**

**Executive Traveler Black and Brown Trim** (C513BBR)  
**Item # TEC513BBR .....113.95**

**Executive Traveler with Backpack Harness Black and Black Trim** (C513BBB)  
**Item # TEC513BBB .....131.95**

**Executive Traveler with Backpack Harness Black and Tan Trim** (C513BBT)  
**Item # TEC513BBT .....131.95**

**Executive Traveler with Backpack Harness Black and Brown Trim** (C513BBBR)  
**Item # TEC513BBBR.....131.95**

**Computer Traveler Black** (C613)  
An all genuine leather version of C513 Executive Traveler Black. Weighs 3.8 lbs. (1730g).  
**Item # TEC613.....227.95**

#### C416 and C516 SERIES

Dimensions are 16 x 12.5" (41 x 32cm), they are expandable from 4" to 7" (10-18cm) and weigh 4 lbs. (1.8kg).

**Computer Traveler Black** (C416)  
**Item # TEC416.....101.95**

**Computer Traveler with Backpack Harness Black** (C416B)  
**Item # TEC416B .....113.95**

**Executive Traveler Black and Black Trim** (C516BB)  
**Item # TEC516BB.....131.95**

**Executive Traveler Black and Tan Trim** (C516BT)  
**Item # TEC516BT.....131.95**

**Executive Traveler Black and Brown Trim** (C516BBR)  
**Item # TEC516BBR.....131.95**

#### C418 and C518 SERIES

Dimensions are 18 x 14" (46 x 36cm), they are expandable from 4" to 7" (10-18cm) and weigh 4.25 lbs. (1930g).

**Computer Traveler Black** (C418)  
**Item # TEC418.....113.95**

**Computer Traveler with Backpack Harness Black** (C418B)  
**Item # TEC418B .....125.95**

**Executive Traveler Black and Black Trim** (C518BB)  
**Item # TEC518BB .....161.95**

**Executive Traveler Black and Tan Trim** (C518BT)  
**Item # TEC518BT .....155.95**

**Executive Traveler Black and Brown Trim** (C518BBR)  
**Item # TEC518BBR.....155.95**

**Executive Traveler with Backpack Harness Black and Black Trim** (C516BBB)  
**Item # TEC516BBB .....149.95**

**Executive Traveler with Backpack Harness Black and Tan Trim** (C516BBT)  
**Item # TEC516BBT .....149.95**

**Executive Traveler with Backpack Harness Black and Brown Trim** (C516BBBR)  
**Item # TEC516BBBR.....149.95**

**Executive Traveler with Backpack Harness Black and Black Trim** (C518BBB)  
**Item # TEC518BBB .....173.95**

**Executive Traveler with Backpack Harness Black and Tan Trim** (C518BBT)  
**Item # TEC518BBT .....173.95**

**Executive Traveler with Backpack Harness Black and Brown Trim** (C518BBBR)  
**Item # TEC518BBBR...173.95**

# TENBA/TUNDRA

## CAR CASES, BACKGROUND, PAD PAKS

### Car Cases

A ballistic nylon carrying case recommended to carry your lighting and large format equipment on assignment, by hand or by car. The 1/4" closed cell foam is lighter in weight and construction than the air cases.

CC14 Car Case Item # <b>TECC14</b> ..... <b>89.95</b>	CC21 Car Case Item # <b>TECC21</b> ..... <b>155.95</b>
CC15 Car Case Item # <b>TECC15</b> ..... <b>93.95</b>	CC28 Car Case Item # <b>TECC28</b> ..... <b>179.95</b>
CC17 Car Case Item # <b>TECC17</b> ..... <b>106.50</b>	CC38 Car Case Item # <b>TECC38</b> ..... <b>203.95</b>

### Car Case Tri-Paks

CCT32 Tri Pak 32x11x11" (81x28x28cm). Item # <b>TECCT32</b> ..... <b>107.95</b>	CCT46 Tri Pak 46x11x11" (117x28x28cm). Item # <b>TECCT46</b> ..... <b>119.95</b>
CCT51 Tri Pak 51x11x11" (130x28x28cm). Item # <b>TECCT51</b> ..... <b>131.95</b>	

### Pad Paks

The lightweight Pad Paks are padded cases that are designed to hold reflectors, monolights and accessories.

**PP-22 Pad Pak**  
22 x 22 x 8" (59 x 59 x 20cm).  
Item # **TEPP22** .....**124.95**

**PP-9 Pad Pak**  
9 x 9 x 5" (23 x 23 x 13cm).  
Item # **TEPP9** .....**29.95**

### Background Bag

An unpadded bag perfect for holding four folded or two scrunched backgrounds. It features two deep side pockets for clamps, reflectors and other accessories. Interior dimensions of main compartment are 26 x 16 x 17" (660 x 406 x 431mm) LHD; side pockets 4 x 10 x 17" (101 x 254 x 431mm).

**BGB Background Bag** (2002)  
Item # **TEBGB** .....**89.95**

### Prolite Cases

A great padded case made of 1000 Denier cordura webbed nylon. Will hold your tripod, lightstand and umbrella when you go on location. The case features 6 velcro fastening loops to hold your tripod or lightstands in position, 2 large outside pockets, a carrying handle and carrying strap.

**Prolite 1** (33Prolite1)  
Interior dimensions are 38x11.5x10.6" (96.5 x 29.2 x 26.9cm) LWH.  
Item # **TUPLC1** .....**69.95**

**Prolite 2** (33Prolite2)  
Interior dimensions are 45x11.5x10.6 (114.3 x 29.2 x 26.9cm) LWH.  
Item # **TUPLC2** .....**84.95**

### TENBA CAR CASE SPECIFICATIONS

Model #	Interior Dimensions LHD	Dividers	Weight
CC14	14 x 10.5 x 8.5" (36 x 27 x 22cm)	0	3 lbs. (1.4kg)
CC15	15 x 14.5 x 9" (38 x 37 x 23cm)	0	4 lbs. (1.8kg)
CC17	17 x 14 x 8" (43 x 36 x 20cm)	1	4.25 lbs. (1.9kg)
CC21	21 x 14 x 9" (53 x 36 x 23cm)	2	5.25 lbs. (2.4kg)
CC28	28 x 14 x 9" (72 x 36 x 23cm)	3	7 lbs. (3.2kg)
CC38	38 x 12.25 x 12.25" (43 x 32 x 32cm)	4	10 lbs. (4.5 kg)
CCT32	32 x 11 x 11" (81 x 28 x 28cm)	1	3.75 lbs. (1.7 kg)
CCT46	46 x 11 x 11" (117 x 28 x 28cm)	1	4.75 lbs. (2.2 kg)
CCT51	51 x 11 x 11" (130 x 28 x 28cm)	1	5.25 lbs. (2.4 kg)

*Subject to change without notice*

## TUNDRA TRIPOD AND LIGHTSTAND CASES

### Professional Tripod Cases

These well-padded tripod cases are made of 1000 Denier cordura webbed nylon and offers your tripod the ultimate protection. It has an inner pocket for accessory storage, a carrying handle and carrying strap.

**Tripod Case I** (33S2TRIP1)  
Interior dimensions: 27 x 6 x 6" (68.6 x 15.2 x 15.2cm) LHW.  
Item # **TUTC1** .....**39.95**

**Tripod Case II** (33S2TRIP2)  
Interior dimensions: 34 x 6 x 6" (86.4 x 15.2 x 15.2cm) LHW.  
Item # **TUTC2** .....**49.95**

**Tripod Case III** (33S2TRIP3)  
Interior dimensions: 44 x 8 x 8" (112 x 20.3 x 20.3cm) LHW.  
Item # **TUTC3** .....**69.95**



*Tripod Case I  
(33S2TRIP1)*

**All items are complete with all accessories as supplied by the manufacturer**

# Z E R O H A L L I B U R T O N

## C A S E S



*Zero Halliburton aluminum cases are exceedingly strong, yet lightweight. Their strength-to-weight ratio is 4x greater than cold rolled steel, with ¼ of the weight. Each case features a tough, pre-stressed shell made of aircraft quality aluminum, interlocking tongue-and-groove closure with moisture and dust resistant seal, durable latches, hinges and lock, 2 lb. density polyurethane foam and maximum safety with instant accessibility. These handsome cases are distinctive, and are available in silver exterior finish*

*which is anodized, while the black onyx finish features an equally durable powder paint covering. The Zeroller is designed for convenience with built-in wheels and a retractable handle. The interior space remains virtually the same. Standard cases include a full set of upper and lower foam, and divider cases include a full set of dividers. Modular cases include a full set of upper and lower foam which can be converted to a divider case with the optional dividers.*

ALUMINUM CASES

589

### Cases with Foam

#100 Case Silver (100CSI) Item # HA100S ..... <b>157.50</b>	#101 Case Black (101CON) Item # HA101B..... <b>187.50</b>	#103 Case Silver (103CSI) Item # HA103S ..... <b>187.50</b>	#105 Case Black (105CON) Item # HA105B..... <b>219.50</b>
#100 Case Black (100CON) Item # HA100B..... <b>157.50</b>	#102 Case Silver (102CSI) Item # HA102S ..... <b>169.50</b>	#103 Case Black (103CON) Item # HA103B..... <b>187.50</b>	#106 Case Silver (106CSI) Item # HA106S ..... <b>249.50</b>
#101 Case Silver (101CSI) Item # HA101S ..... <b>187.50</b>	#102 Case Black (102CON) Item # HA102B..... <b>169.50</b>	#105 Case Silver (105CSI) Item # HA105S ..... <b>219.50</b>	#106 Case Black (106CON) Item # HA106B..... <b>249.50</b>

### ZERO HALLIBURTON SPECIFICATIONS

Model #	Outer Dimensions L.W.H.	Upper Shell Height	Lower Shell Height	Weight
100	12x9x5" (31x23x13cm)	2" (5cm)	3" (7.6cm)	4 lbs. (1.8kg)
101	16x9x7.8" (41x23x20cm)	2.5 (6.4cm)	5.25" (13.3cm)	6 lbs. (2.7kg)
102	18x13x4.5" (46x33x11cm)	2" (5cm)	2.5" (6.4cm)	6 lbs. (2.7kg)
103	18x13x6" (46x33x15cm)	2.5" (6.4cm)	3.5" (8.9cm)	6.5 lbs. (2.9kg)
105	21x13x6.5" (53x33x17cm)	2.75" (7cm)	3.75" (9.5cm)	7.8 lbs. (3.5kg)
106	21x17x7.5" (53x43x19cm)	3" (7.6cm)	4.5" (11.4cm)	11.5 lbs. (5.2kg)
107	21x13x7.5" (53x33x19cm)	3.75" (9.5cm)	3.75" (9.5cm)	8.3 lbs. (3.8kg)
107 Zeroller	21x13x8.5" (53x33x22cm)	3.75" (9.5cm)	3.75" (9.5cm)	8.9 lbs. (4kg)
110	26x18x9" (66x46x23cm)	4.25" (10.8cm)	4.75" (12cm)	15.5 lbs. (7kg)
111	24x18x7" (61x46x18cm)	3" (7.6cm)	4" (10cm)	12 lbs. (5.4kg)
129	29x20x10" (74x51x25cm)	5" (12.7cm)	5" (12.7cm)	19.8 lbs. (9kg)
134	26.5x13x7" (67x33x8cm)	3" (7.6cm)	4" (10.2cm)	7.2 lbs. (3.3kg)
122	49x14x4.5" (124x36x11cm)	2" (5cm)	2.4" (6cm)	16.8 lbs. (7.6kg)
128	36x10x3.9" (91x25x10cm)	2" (5cm)	2" (5cm)	7 lbs. (3.2kg)
130	48.5x10x3.9" (123x25x10cm)	2" (5cm)	2" (5cm)	9.2 lbs. (4.2kg)

#107 Case Silver (107CSI) Item # HA107S ..... <b>219.95</b>
#107 Case Black (107CON) Item # HA107B..... <b>219.95</b>
#107 Zeroller Case Silver (ZR107CSI) Item # HAZRS ..... <b>297.95</b>
#110 Case Silver (110CSI) Item # HA110S ..... <b>310.95</b>
#110 Case Black (110CON) Item # HA110B..... <b>310.95</b>
#111 Case Silver (111CSI) Item # HA111S ..... <b>279.95</b>
#111 Case Black (111CON) Item # HA111B..... <b>279.95</b>
#129 Case Silver (129CSI) Item # HA129S ..... <b>369.95</b>
#129 Case Black (129CON) Item # HA129B..... <b>369.95</b>
#134 Long Case Silver (134CSI) Item # HA134S ..... <b>378.50</b>



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# ZERO HALLIBURTON

## CASES

### Computer Cases with Shoulder Carry Strap

Features a fully padded interior, a strap system to secure the computer, 3.5" and CD-ROM disk compartments, and a detachable shoulder strap.

**Ultra Slim Notebook Case Silver (MZROSI)**  
**Item # HANBUSS .....236.95**

**Notebook Attache Silver (ZHNB)**  
**Item # HACANB .....356.95**

**Ultra Slim Notebook Case Gun Metal Charcoal (MZROGM)**  
**Item # HANBUSGM .....236.95**

**Laptop Attache Silver (ZHLT)**  
**Item # HACALT .....299.00**

**Slim Line Notebook Case Silver (ZR3SI)**  
**Item # HANBSS .....194.95**

**Office Attache Silver (ZHOA)**  
**Item # HACA0 .....409.95**

**Slim Line Notebook Case Gun Metal Charcoal (ZR3GM)**  
**Item # HANBSGM .....244.95**

**Computer Transport Case Silver (ZHCTC)**  
**Item # HACTC .....459.95**

### COMPUTER CASE SPECIFICATIONS

Model #	Dimensions L.W.H.	Upper Shell Height	Lower Shell Height	Weight
Ultra Slim	16.5 x 12 x 3.5" (42 x 30 x 9cm)	1.6" (4cm)	1.8" (4.6cm)	5 lbs. (2.3kg)
Slim	18 x 14 x 3.5" (46 x 36 x 9cm)	2.5" (6.4cm)	5.25" (13.3cm)	5.5 lbs. (2.5kg)
Notebook	18.5 x 13.5 x 4" (47 x 34 x 10cm)	1.5" (3.8cm)	2.5" (6.4cm)	6 lbs. (2.7kg)
Laptop	18.5 x 13.5 x 5" (47 x 34 x 13cm)	2" (5cm)	3" (7.6cm)	6 lbs. (2.7kg)
Office	18 x 17 x 6.5" (46 x 43 x 17cm)	2.75" (7cm)	3.75" (9.5cm)	8 lbs. (3.6kg)
Computer Transport	24 x 18 x 8" (61 x 46 x 20cm)	3.5" (9cm)	4.5" (11.4cm)	14 lbs. (6.4kg)

### Replacement Foam

**Foam Pack for Case #100**  
**Item # HAFP100 .....17.50**

**Foam Pack for Case #101**  
**Item # HAFP101 .....24.95**

**Foam Pack for Case #102**  
**Item # HAFP102 .....23.95**

**Foam Pack for Case #103**  
**Item # HAFP103 .....28.50**

**Foam Pack for Case #105**  
**Item # HAFP105 .....35.95**

**Foam Pack for Case #106**  
**Item # HAFP106 .....47.50**

**Foam Pack for Case #107**  
**Item # HAFP107 .....44.95**

**Foam Pack for Case #107ZR**  
**Item # HAFPZR .....55.95**

**Foam Pack for Case #110**  
**Item # HAFP110 .....69.95**

**Foam Pack for Case #111**  
**Item # HAFP111 .....54.95**

**Foam Pack for Case #129**  
**Item # HAFP129 .....79.50**

**Foam Pack for Case #134**  
**Item # HAFP134 .....55.95**

### Modular Divider Cases

Modular Divider Cases include a full set of upper and lower foam which can be converted to a divider case with the optional dividers.

**#103 Modular Divider Case Silver (103MCDSI)**  
**Item # HA103MDS .....249.95**

**#105 Modular Divider Case Silver (105MCDSI)**  
**Item # HA105MDS .....276.95**

**#107 Zeroller Modular Divider Case Black (ZR107MCDON)**  
**Item # HAZRMDB .....371.25**

**#110 Modular Divider Case Silver (110MCDSI)**  
**Item # HA110MDS .....426.75**

### Miscellaneous Accessories

**Heavy-Duty Carry Strap Black**  
**Item # HASB .....24.95**

**Zeroller Accessory Strap**  
**Item # HASZR .....18.95**

**Zeroller Accessory Pouch**  
**Item # HAAPZR .....34.95**



Modular  
Divider Case



Computer  
Case

### Special Cases

**#122 Stand Case Silver (122CSI)**  
**Item # HA122S .....544.50**

**#122 Stand Case Black (122CON)**  
**Item # HA122B .....544.50**

**#128 Stand Case Silver (128CSI)**  
**Item # HA128S .....559.95**

**#128 Stand Case Black (128CON)**  
**Item # HA128B .....559.95**

**#130 Stand Case Silver (130CSI)**  
**Item # HA130S .....546.95**

**#130 Stand Case Black (130CON)**  
**Item # HA130B .....546.95**

### Divider Kits

**Divider Kit for Modular 103**  
**Item # HADKM103 .....109.50**

**Divider Kit for Modular 105**  
**Item # HADKM105 .....117.95**

**Divider Kit for Modular 110**  
**Item # HADKM110 .....168.95**

**Divider Kit for Modular Zeroller**  
**Item # HADKMZR .....117.95**

We are on the web at: <http://www.bhphotovideo.com>

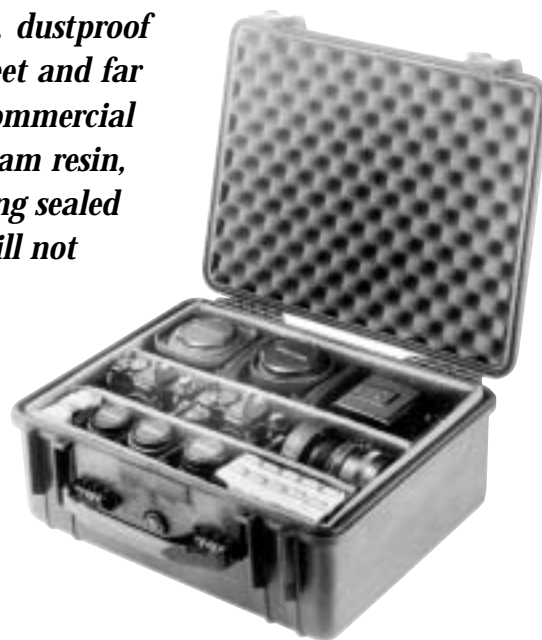


# PELICAN

## WATERPROOF CASES

*Pelicans are unbreakable, watertight, airtight to thirty feet, dustproof equipment cases for the ultimate in protection. These cases meet and far exceed the highest standards of industrial airline military and commercial applications. Made of lightweight, space age ABS structural foam resin, Pelican Protector Cases will not dent, crack or corrode. "O" ring sealed cases keep out harmful contaminants, float fully loaded and will not corrode from salt water or airborne chemicals.*

*Exclusive pressure Purge Valve compensates for changes in temperature and altitude. Heavy-duty positive locking molded latches will not break or open accidentally in use. Multiple layers of industrial grade photographic foam secure and cushion equipment. Pick 'N Pluck center foam section is uniquely pre-scored for quick and clean custom fit (except for Travel Vault which has regular foam).*



WATERPROOF CASES

591

### Series #1120 Guard Boxes (non-waterproof)

#1120 Guard Box w/o Foam Lime Green (1120NFGGR) Item # PE1120NFGGR..... <b>17.95</b>	#1120 Guard Box w/o Foam Orange (1120NFO) Item # PE1120O ..... <b>17.95</b>	#1120 Guard Box with Foam Insert Lime Green (1120GR) Item # PE1120FGR..... <b>23.50</b>	#1120 Guard Box with Foam Insert Orange (1120O) Item # PE1120FO ..... <b>23.50</b>
#1120 Guard Box w/o Foam Neon Pink (1120NFP) Item # PE1120NFP..... <b>17.95</b>	#1120 Guard Box w/o Foam Yellow (1120NFY) Item # PE1120NFY..... <b>17.95</b>	#1120 Guard Box with Foam Insert Neon Pink (1120P) Item # PE1120FP..... <b>23.50</b>	#1120 Guard Box with Foam Insert Yellow (1120Y) Item # PE1120FY..... <b>23.50</b>
#1120 Guard Box w/o Foam Black (1120NFB) Item # PE1120NFB..... <b>17.95</b>	#1120 Guard Box w/o Foam Blue (1120NFB) Item # PE1120NFB ..... <b>17.95</b>	#1120 Guard Box with Foam Insert Black (1120B) Item # PE1120FB..... <b>23.50</b>	#1120 Guard Box with Foam Insert Blue (1120BL) Item # PE1120FBL ..... <b>23.50</b>

### Series #1150

#1150 Case with Foam Insert Black (PC1150B) Item # PE1150B ..... <b>24.95</b>	#1150 Case with Foam Insert Blue (PC1150BL) Item # PE1150BL ..... <b>24.95</b>
#1150 Case with Foam Insert Silver (PC1150S) Item # PE1150S..... <b>24.95</b>	
#1150 Case with Foam Insert Yellow (PC1150Y) Item # PE1150Y ..... <b>24.95</b>	
#1150 Case with Foam Insert Neon Green (PC1150NGR) Item # PE1150NG..... <b>24.95</b>	
#1150 Case with Foam Insert Neon Pink (1150NP) Item # PE1150NP ..... <b>24.95</b>	

### Series #1400 Pelicases

#1400 Pelicase with Foam Insert Black (PC1400B) Item # PE1400B ..... <b>64.50</b>
#1400 Pelicase with Foam Insert Silver (PC1400S) Item # PE1400S..... <b>64.50</b>
#1400 Pelicase with Foam Insert Orange (PC1400O) Item # PE1400O..... <b>64.50</b>

### Series #1200 Mini S Cases

#1200 Mini S Case with Foam Insert Black (PC1200B) Item # PE1200B..... <b>35.50</b>	#1200 Mini S Case with Foam Insert Silver (PC1200S) Item # PE1200S ..... <b>35.50</b>
#1200 Mini S Case with Foam Insert Yellow (PC1200Y) Item # PE1200Y..... <b>35.50</b>	#1200 Mini S Case with Foam Insert Orange (PC1200O) Item # PE1200O ..... <b>35.50</b>

### Series #1300 Mini D

#1300 Mini D Case with Foam Insert Black (PC1300B) Item # PE1300B..... <b>40.50</b>	#1300 Mini D Case with Foam Insert Yellow (PC1300Y) Item # PE1300Y..... <b>40.50</b>
#1300 Mini D Case with Foam Insert Silver (PC1300S) Item # PE1300S ..... <b>40.50</b>	#1300 Mini D Case with Foam Insert Orange (PC1300O) Item # PE1300O ..... <b>40.50</b>



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# PELICAN

## WATERPROOF CASES

WATERPROOF CASES

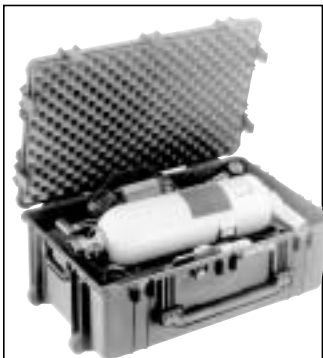
592

### Series #1450 Cases

- #1450 Case with  
Foam Insert Black (PC1450B)  
*Item # PE1450B.....83.50*
- #1450 Case with  
Foam Insert Silver (PC1450S)  
*Item # PE1450S.....83.50*
- #1450 Case with  
Foam Insert Orange (PC1450O)  
*Item # PE1450O.....83.50*
- #1450 Case with  
Divider Insert Black (PC1454B)  
*Item # PE1450DB.....104.50*
- #1450 Case with  
Divider Insert Silver (PC1454S)  
*Item # PE1450DS.....104.50*
- #1450 Case with  
Divider Insert Orange (PC1454O)  
*Item # PE1450DO.....104.50*

### Series #1550 Pro Cases

- #1550 Pro Case with  
Foam Insert Black (PC1550B)  
*Item # PE1550B.....121.50*
- #1550 Pro Case with  
Foam Insert Silver (PC1550S)  
*Item # PE1550S.....121.50*
- #1550 Pro Case with  
Foam Insert Orange (PC1550O)  
*Item # PE1550O.....121.50*
- #1550 Pro Case with  
Divider Insert Black (PC1554B)  
*Item # PE1550DB.....158.50*



#1650 Case with Foam  
Insert Black (PC1650B)

### Series #1500 Cases

- #1500 Case with  
Foam Insert Black (PC1500B)  
*Item # PE1500B.....98.50*
- #1500 Case with  
Foam Insert Silver (PC1500S)  
*Item # PE1500S.....98.50*
- #1500 Case with  
Foam Insert Orange (PC1500O)  
*Item # PE1500O.....98.50*
- #1500 Case with  
Divider Insert Black (PC1504B)  
*Item # PE1500DB.....116.50*
- #1500 Case with  
Divider Insert Silver (PC1504S)  
*Item # PE1500DS.....116.50*
- #1500 Case with  
Divider Insert Orange (PC1504O)  
*Item # PE1500DO.....116.50*

### Series #1600 King Cases

- #1600 King Case with  
Foam Insert Black (PC1600B)  
*Item # PE1600B.....143.50*
- #1600 King Case with  
Foam Insert Silver (PC1600S)  
*Item # PE1600S.....143.50*
- #1600 King Case with  
Foam Insert Orange (PC1600O)  
*Item # PE1600O.....143.50*
- #1600 King Case with  
Divider Insert Black (PC1604B)  
*Item # PE1600DB.....180.50*
- #1600 King Case with  
Divider Insert Silver (PC1604S)  
*Item # PE1600DS.....180.50*
- #1600 King Case with  
Divider Insert Orange (PC1604O)  
*Item # PE1600DO.....180.50*

### Series #1520 Cases

- #1520 Case with  
Foam Insert Black (PC1520B)  
*Item # PE1520B.....108.50*
- #1520 Case with  
Foam Insert Silver (PC1520S)  
*Item # PE1520S.....108.50*
- #1520 Case with  
Foam Insert Orange (PC1520O)  
*Item # PE1520O.....108.50*
- #1520 Case with  
Divider Insert Black (PC1524B)  
*Item # PE1520DB.....138.50*
- #1520 Case with  
Divider Insert Silver (PC1524S)  
*Item # PE1520DS.....138.50*
- #1520 Case with  
Divider Insert Orange (PC1524O)  
*Item # PE1520DO.....138.50*

**Convertible Travel Bag (PC1527)**  
Soft travel bag designed to fit into 1520 Series Cases. This allows you to convert your bag instantly from hard case to soft bag and back to hard case. Dividers hug the gear to protect against impact, vibration, moisture and dust. Features a comfortable carrying handle, thick ergonomic shoulder strap, interchangeable strap, heavy-duty rustproof nylon zippers on all pockets and reinforced straps and clips. Made of waterproof padded ballistic nylon material. Gear can be accessed from the top. Black.  
*Item # PE1527.....77.95*

- #1520 Case Combination  
with Travel Bag Black (PC1526B)  
*Item # PE1520GB.....144.95*
- #1520 Case Combination  
with Travel Bag Silver (PC1526S)  
*Item # PE1520GS.....144.95*
- #1520 Case Combination with  
Travel Bag Orange (PC1526O)  
*Item # PE1520GO.....144.95*

### Series #1650 Case

- #1650 Case with  
Foam Insert Black (PC1650B)  
Features built-on wheels and  
fold-down handles. Black color.  
*Item # PE1650B.....169.50*
- #1650 Case with  
Dividers Black (PC1654B)  
Same as above with dividers.  
*Item # PE1650DB.....219.95*

### Series #1700/1750

- #1700 Travel Vault II Case with  
Foam Insert Black (PC1700B)  
*Item # PE1700B.....149.95*
- #1750 Travel Vault Case with  
Foam Insert Black (PC1750B)  
*Item # PE1750B.....184.50*

### Velcro Divider Sets

- Divider Set for #1450 (PC1455)  
*Item # PEDS1450.....47.50*
- Divider Set for #1500 (PC1505)  
*Item # PEDS1500.....56.50*
- Divider Set for #1520 (PC1525)  
*Item # PEDS1520.....74.95*
- Divider Set for #1550 (PC1555)  
*Item # PEDS1550.....84.50*
- Divider Set for #1600 (PC1605)  
*Item # PEDS1600.....91.95*
- Divider Set for #1650 (PC1655)  
*Item # PEDS1650.....107.50*

### Ballistic Nylon Organizers

These fit into Model #1500 and #1520 cases and are made of waterproof ballistic nylon, with nylon zippers and mesh pockets. Easily installed with velcro strip (included) and they measure 16x13" W.H.

- Photographer's  
Lid Organizer (PC1508)  
*Item # PELOP.....17.95*
- Attache Lid  
Organizer (PC1509)  
*Item # PELOA.....19.95*

**We Ship Worldwide**

## O-RINGS, FOAM AND DIVIDER SETS, ORGANIZERS

### Replacement 'O' Rings

'O' Ring for #1120 (PC1123) <i>Item # PEOR1120.....1.85</i>	'O' Ring for #1520 (PC1503) <i>Item # PEOR1520.....3.95</i>
'O' Ring for #1150 (PC1153) <i>Item # PEOR1150.....2.50</i>	'O' Ring for #1550 (PC1553) <i>Item # PEOR1550.....3.95</i>
'O' Ring for #1200 (PC1203) <i>Item # PEOR1200.....2.95</i>	'O' Ring for #1600 (PC1603) <i>Item # PEOR1600.....3.95</i>
'O' Ring for #1300 (PC1303) <i>Item # PEOR1300.....2.95</i>	'O' Ring for #1650 (PC1653) <i>Item # PEOR1650.....4.50</i>
'O' Ring for #1400 (PC1403) <i>Item # PEOR1400.....3.50</i>	'O' Ring for #1700 (PC1703) <i>Item # PEOR1700.....4.95</i>
'O' Ring for #1450 (PC1453) <i>Item # PEOR1450.....3.50</i>	'O' Ring for #1750 (PC1753) <i>Item # PEOR1750.....4.95</i>

### Foam Sets

Foam Set #1120 (PC1121) <i>Item # PEFS1120.....4.95</i>	Foam Set for #1520 (PC1521) <i>Item # PEFS1520.....35.95</i>
Foam Set for #1150 (PC1151) <i>Item # PEFS1150.....8.95</i>	Foam Set for #1550 (PC1551) <i>Item # PEFS1550.....44.50</i>
Foam Set for #1200 (PC1201) <i>Item # PEFS1200.....12.50</i>	Foam Set for #1600 (PC1601) <i>Item # PEFS1600.....54.50</i>
Foam Set #1300 (PC1301) <i>Item # PEFS1300.....15.95</i>	Foam Set for #1650 (PC1651) <i>Item # PEFS1650.....59.95</i>
Foam Set for #1400 (PC1401) <i>Item # PEFS1400.....19.95</i>	Foam Set for #1700 (PC1701) <i>Item # PEFS1700.....44.50</i>
Foam Set for #1450 (PC1451) <i>Item # PEFS1450.....23.95</i>	Foam Set for #1750 (PC1751) <i>Item # PEFS1750.....49.50</i>
Foam Set for #1500 (PC1501) <i>Item # PEFS1500.....27.95</i>	



WATERPROOF CASES

593

### PELICAN SPECIFICATIONS

Model #	Interior Dimensions L.W.D.	Exterior Dimensions L.W.D.	Weight
1120	7.4 x 4.8 x 3.1" (18 x 12 x 8cm)	8.25 x 5.2 x 3.6" (21 x 13 x 9cm)	1.1 lbs. (510g)
1150	8.5 x 6 x 3.8" (22 x 15 x 10cm)	9.3 x 7.8 x 4.5" (23 x 20 x 11cm)	2.5 lbs. (1.1kg)
1200	9.5 x 7.5 x 4.5" (24 x 19 x 11cm)	10.8 x 9.8 x 5" (27 x 25 x 13cm)	3 lbs. (1.4kg)
1300	9.5 x 7.5 x 6.5" (24 x 19 x 17cm)	10.8 x 9.8 x 7" (27 x 25 x 18cm)	3.5 lbs. (1.6kg)
1400	12.3 x 9.3 x 5.3" (31 x 23 x 13cm)	13 x 12 x 6" (33 x 30 x 15cm)	5.5 lbs. (2.5kg)
1450	15 x 10.5 x 6" (38 x 27 x 15cm)	16 x 13 x 7" (41 x 33 x 15cm)	7.5 lbs. (3.4kg)
1500	17 x 11.8 x 6" (43 x 30 x 15cm)	18.5 x 15.3 x 6.9" (47 x 39 x 18cm)	8.5 lbs. (3.9kg)
1520	18 x 12.9 x 6.8" (46 x 33 x 17cm)	19.3 x 15.5 x 7.5" (49 x 39 x 19cm)	10.5 lbs. (4.8kg)
1550	19 x 14 x 7.8" (48 x 36 x 20cm)	20.5 x 16.8 x 8.5" (52 x 43 x 22cm)	14 lbs. (6.4kg)
1600	22 x 17 x 8" (56 x 43 x 20cm)	23.3 x 20.8 x 9" (59 x 53 x 23cm)	17 lbs. (7.7kg)
1650 with Wheels	28 x 18 x 10.5" (71 x 46 x 27cm)	29.3 x 21.8 x 11.5" (74 x 55 x 29cm)	17.5 lbs. (7.9kg)
1700	30 x 13.5 x 5" (91 x 34 x 13cm)	37 x 17.5 x 6" (94 x 44 x 15cm)	17 lbs. (7.7kg)
1750	50.8 x 13.5 x 5" (29 x 34 x 13cm)	52 x 17.5 x 6" (132 x 44 x 15cm)	29 lbs. (13.2kg)

# TUNDRA

## SEA KING CASES

WATERPROOF CASES

594

*Expensive photo and video equipment need protection from impact, dust and moisture. Sea King cases were created to offer the kind of protection this type of equipment needs. Each of the outer shells of a Sea King case are injection molded using tough ABS/poly-carbonate composite. The shells are then joined with a stainless steel piano hinge and sealed against the elements with a continuous silicone O-ring. A built-in purge valve allows the interior pressure to be equalized when necessary. Two different Sea King case interiors, Pluck Foam or Plush Dividers, permit equipment to be organized to suit each photographer's unique way of working. The extra protection Sea King cases provide insures that the valuable equipment will always arrive secure and intact.*



Sea King 821D shown with optional strap

### Water-Tight Photo/Video Cases



Sea King 718D shown with optional strap

#385 Auto Focus Case with Foam Insert Black  
Item # SE385B.....28.95

#585 Divers Dry Box without Foam Insert Blue  
Item # SE585BL.....34.95

#518 Attache Case with Foam Insert Black  
Item # SE518FB.....79.95

#518 Attache Case with Foam Insert Gray  
Item # SE518FG.....79.95

#518 Attache Case with Foam Insert Yellow  
Item # SE518FY.....79.95

#613 Photo-Video Case with Foam Insert Black  
Item # SE613FB.....59.95

#613 Photo-Video Case with Foam Insert Gray  
Item # SE613FG.....59.95

#716 Photo-Video Case with Foam Insert Black  
Item # SE716FB.....79.95

#716 Photo-Video Case with Foam Insert Gray  
Item # SE716FG.....79.95

#718 Photo-Video Case with Foam Insert Black  
Item # SE718FB.....84.95

#718 Photo-Video Case with Foam Insert Gray  
Item # SE718FG.....84.95

#718 Photo-Video Case with Foam Insert Yellow  
Item # SE718FY.....84.95

#718 Photo-Video Case with Divider Insert Black  
Item # SE718DB.....139.95

#718 Photo-Video Case with Divider Insert Gray  
Item # SE718DG.....139.95

#718 Photo-Video Case with Divider Insert Yellow  
Item # SE718DY.....139.95

#821 Photo-Video Case with Foam Insert Black  
Item # SE821FB.....109.95

#821 Photo-Video Case with Foam Insert Gray  
Item # SE821FG.....109.95

#821 Photo-Video Case with Foam Insert Yellow  
Item # SE821FY.....109.95

#821 Photo-Video Case with Divider Insert Black  
Item # SE821DB.....139.95

#821 Photo-Video Case with Divider Insert Gray  
Item # SE821DG.....139.95

#821 Photo-Video Case with Divider Insert Yellow  
Item # SE821DY.....139.95

#822 Photo-Video Case with Foam Insert Black  
Item # SE822FB.....159.95

#827 Photo-Video Case with Foam Insert Black  
Item # SE827FB.....199.95

### SEA KING SPECIFICATIONS

Model #	Inside Dimensions L.W.D.	Weight with Foam	Weight with Dividers
385	8.5 x 6 x 3" (22 x 15 x 8cm)	1.5 lbs. (.680g)	—
585	8.5 x 6 x 5.4" (22 x 15 x 14cm)	2 lbs. (.907g)	—
518	17.8 x 12.8 x 5.5" (45 x 32 x 14cm)	8.8 lbs. (4kg)	—
613	13.4 x 8.9 x 5.6" (34 x 23 x 14cm)	5.3 lbs. (2.4kg)	—
716	16.9 x 10 x 6.5" (43 x 25 x 17cm)	7.1 lbs. (3.2kg)	9.3 lbs. (4.2kg)
718	17.8 x 12.8 x 6.8" (45 x 32 x 17cm)	10.2 lbs. (4.6kg)	11 lbs. (5kg)
821	20.9 x 12.9 x 8.4" (53 x 33 x 21cm)	12.7 lbs. (5.8kg)	13.9 lbs. (6.3kg)
822	21.9 x 18 x 8.4" (56 x 46 x 21cm)	17 lbs. (7.7kg)	19.7 lbs. (8.9kg)
827	26.9 x 18 x 8.4" (68 x 46 x 21cm)	19.5 lbs. (8.8kg)	23.1 lbs. (10 kg)



# TUNDRA

## SEA KING RINGS, INSERTS, DIVIDER KITS, MISC.

### Foam Inserts

Foam Set Complete for #385 <i>Item # SEFS385</i> ..... <b>9.95</b>	Foam Set Complete for #518 <i>Item # SEFS518</i> ..... <b>28.95</b>	Convuluted Lid Foam for #716 <i>Item # SEFL716</i> ..... <b>5.95</b>	Convuluted Lid Foam for #822 <i>Item # SEFL822</i> ..... <b>13.50</b>
1.5" Foam Insert Cubed for #518 and #718 <i>Item # SEFP1.5518</i> ..... <b>9.95</b>	Foam Set Complete for #718 <i>Item # SEFS718</i> ..... <b>39.95</b>	3/4" Bottom Foam for #716 <i>Item # SEFB716</i> ..... <b>2.95</b>	Bottom Foam for #822 <i>Item # SEFB822</i> ..... <b>9.95</b>
2.5" Foam Insert Cubed for #518 and #718 <i>Item # SEFP2.5518</i> ..... <b>15.95</b>	Die Cut Foam for #613 <i>Item # SEFP613</i> ..... <b>13.95</b>	Foam Set Complete for #716 <i>Item # SEFS716</i> ..... <b>34.95</b>	Foam Set Complete for #822 <i>Item # SEFS822</i> ..... <b>59.50</b>
1.5" and 2.5" Foam Insert Cubed for #518 and #718 <i>Item # SEFP718</i> ..... <b>22.50</b>	Convuluted Lid Foam for #613 <i>Item # SEFL613</i> ..... <b>4.50</b>	Die Cut Foam for #821 <i>Item # SEFP821</i> ..... <b>25.95</b>	Center Pluck Foam for #827 <i>Item # SEFP827</i> ..... <b>55.95</b>
Convuluted Lid Foam for #518 and #718 <i>Item # SEFL518</i> ..... <b>9.95</b>	3/4" Bottom Foam for #613 <i>Item # SEFB613</i> ..... <b>1.95</b>	Convuluted Lid Foam for #821 <i>Item # SEFL821</i> ..... <b>9.95</b>	Convuluted Lid Foam for #827 <i>Item # SEFL827</i> ..... <b>14.50</b>
3/4" Bottom Foam Insert for #518 and #718 <i>Item # SEFB518</i> ..... <b>3.95</b>	Lid, Bottom and Pluck Foam for #613 <i>Item # SEFS613</i> ..... <b>19.95</b>	3/4" Bottom Foam for #821 <i>Item # SEFB821</i> ..... <b>5.95</b>	Bottom Foam for #827 <i>Item # SEFB827</i> ..... <b>9.95</b>
	2 1/2" Pluck Foam for #716 <i>Item # SEFP716</i> ..... <b>29.95</b>	Foam Set Complete for #821 <i>Item # SEFS821</i> ..... <b>44.95</b>	Foam Set Complete for #827 <i>Item # SEFS827</i> ..... <b>69.95</b>
		Center Pluck Foam for #822 <i>Item # SEFP822</i> ..... <b>44.95</b>	

### Replacement 'O' Rings

'O' Ring for #385 <i>Item # SEOR385</i> ..... <b>3.95</b>	'O' Ring for #718 <i>Item # SEOR718</i> ..... <b>7.95</b>
'O' Ring for #518 <i>Item # SEOR518</i> ..... <b>7.95</b>	'O' Ring for #821 <i>Item # SEOR821</i> ..... <b>9.95</b>
'O' Ring for #613 <i>Item # SEOR613</i> ..... <b>5.95</b>	'O' Ring for #822 <i>Item # SEOR822</i> ..... <b>9.95</b>
'O' Ring for #716 <i>Item # SEOR716</i> ..... <b>6.95</b>	'O' Ring for #827 <i>Item # SEOR827</i> ..... <b>9.95</b>

### Miscellaneous Accessories

Combo Lock for Protective Cases <i>Item # SECL</i> ..... <b>8.95</b>	Rechargeable Dessicant Cartridge <i>Item # SEDC</i> ..... <b>14.50</b>
Pressure Release Valve for Cases <i>Item # SEPRV</i> ..... <b>2.95</b>	Neoprone Strap for Cases Black <i>Item # SES</i> ..... <b>22.50</b>

### Divider Kits

Complete Divider Kit System for #718 <i>Item # SEDKC718</i> ..... <b>76.50</b>	Complete Divider Kit System for #821 <i>Item # SEDKC821</i> ..... <b>79.50</b>
---	---

## PROJECTOR CASES

### Tiffen Projector Case

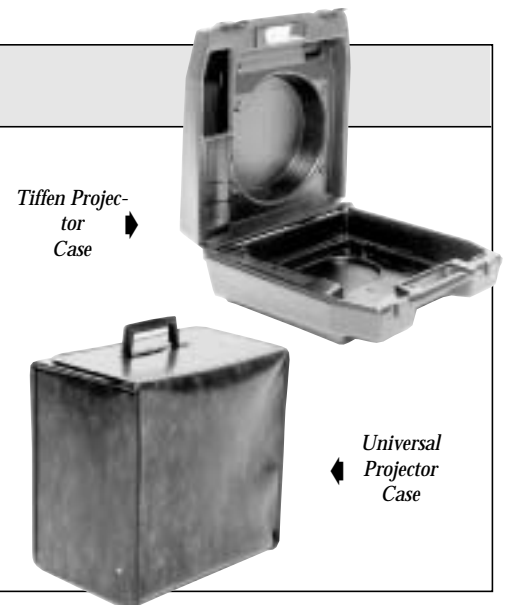
Designed for the Kodak Model 300, this case also accommodates Kodak 4000-5000 Carousel Series and Ektagraphic III Series Projectors. Made of high impact polyethylene, the case's double walled construction offers added protection. Comes with two lock tight latches with a provision for a padlock. Inside, its molded compartments are designed for accommodating a zoom lens, extension cord, power and remote cables, as well as a spare lamp... Everything together, just where you need it! The dimensions are 14 x 16.5 x 7" (36 x 42 x 18cm). Weighs just 4 lbs. (1.8kg).

*Item # TIP300*.....**45.95**

### Universal Projector Case

Made of vinyl covered cardboard. Holds a projector tray, spare bulb and extension cord. Dimensions are 14 x 9 x 13.5" (36 x 23 x 34cm) LWH. Weighs 3 lbs. (1.37kg).

*Item # GBCKCP*.....**24.95**





# DOSKOCIL/MUSIC INDUSTRIES

## DOSKOCIL SEAL-TIGHT CASES

MISCELLANEOUS

596

*Seal-Tight offers the best combination of quality and value found anywhere. Each case features a continuous "O"-ring seal making the case water, moisture and dust tight, a low profile pressure release valve, an exclusive 4-latch locking system and many other valuable features, such as high density cubed foam which allows customizing interior of case, large separated hinges for maximum strength and flex and large flanges allowing for locking padlocks, plus a Lifetime limited warranty.*



### Seal-Tight Cases

Large Seal-Tight Case with Foam Black (BD0653B)  
Interior dimensions are 17.1x12x7.3" (43x30x18cm)  
LWH, exterior dimensions 19.4x14.3x8" (49x36x20cm)  
LWH, weight 8 lbs. (3.6kg).  
**Item # DOCSTFLB.....59.95**

Large Seal-Tight Case with Foam Gray (BD0653G)  
**Item # DOCSTFLG .....59.95**

Large Seal-Tight Case with Dividers Black (BD065301)  
**Item # DOCSTDLB.....84.95**

Extra Large Seal-Tight Case with Foam Black (BD0654B)  
Interior dimensions are 18.6x14.3x8.3" (47x36x21cm)  
LWH, exterior dimensions 20.8x16.5x9.3" (53x42x23cm)  
LWH, weight 11.4 lbs. (5.2kg).  
**Item # DOCSTFLB.....69.95**

Extra Large Seal-Tight Case with Foam Gray (BD0654G)  
**Item # DOCSTFLG .....69.95**

Extra Large Seal-Tight Case with Dividers Black (BD065401)  
**Item # DOCSTDLB.....113.50**

Foam for Large Case (BD0696)  
Replacement.  
**Item # DOFSTCL.....18.50**

Foam for Extra Large Case (BD0695)  
Replacement.  
**Item # DOFSTCXL .....26.50**

Divider Kit for Large Case (BD069054)  
**Item # DODKSTL .....39.95**

Divider Kit for Extra Large Case (BD069055)  
**Item # DODKSTXL .....46.95**

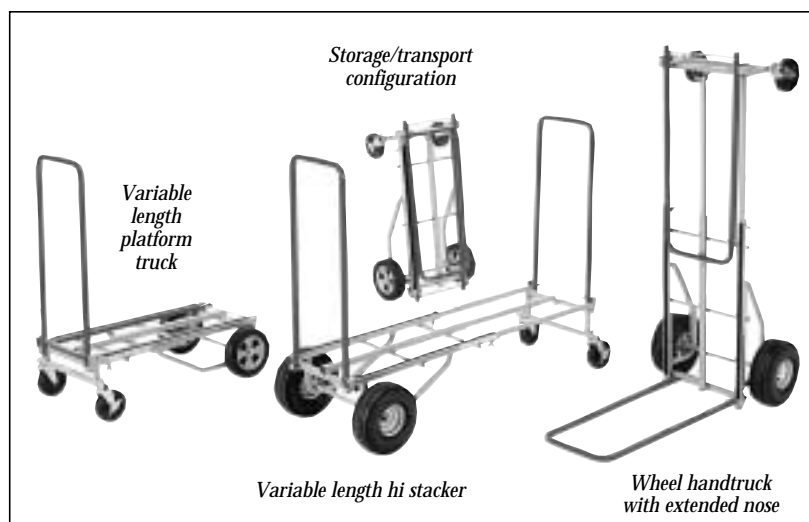
Large O-Ring Seal (BD069017)  
Replacement.  
**Item # DORSTCL.....3.50**

Extra Large O-Ring Seal (BD069016)  
Replacement.  
**Item # DORSTCXL.....4.95**

Universal Case Strap (BD069008)  
**Item # DOSU.....3.50**

## ROCK N' ROLLER CARTS *by* Music Industries

*The Rock N' Roller super carts are material movers that combine the portability of a luggage cart with the big load capacity of an industrial 4-wheel dolly. These versatile carts can be configured in five different positions to suit your moving needs.*



**Micro Cart (RR4)**  
Designed to move loads up to 300 lbs. (136kg). Frame expands from 26.5" (67cm) to 39" (99cm) and it has 25" (64cm) and 20" (51cm) foldable sides. It uses 6 x 1.75" (15 x 4cm) rear wheels and 4" (10cm) front swivel casters. Weighs 18 lbs. (8.2kg).  
**Item # MURR4 .....94.95**

**Mid Cart (RR8)**  
Carries 500 lbs. (227kg). Frame expands from 34" (86cm) to 52" (132cm). It has two 32" (81cm) foldable sides. It uses 8 x 2.5" (20 x 6cm) semi-pneumatic rear wheels and 5" (13cm) front swivel casters. Weighs 31 lbs. (14kg).  
**Item # MURR8 .....139.95**

**Max Cart (RR10)**  
Same as the Mid Cart (RR8) with built-in heavy duty stair climber and 10 x 3.5" (25 x 9cm) pneumatic rear wheels. Weighs 33 lbs. (15kg).  
**Item # MURR10 .....159.95**

# REMIN / RUXXAC

## CARTS

### Remin Kart-A-Bag

*Constructed of heavy duty aluminum rods and chrome plated automotive grade steel wire, Remin carts offer simple load handling, telescoping handles and easy-to-use locking systems. Most units offer the patented locking system which makes opening and closing the carts as easy as pressing a button. 10 year limited warranty. Specialty carts, such as the TKT-900 can be used as a portable workstation with three shelves. The HD-500 is used to transport heavy loads up to 500 lbs.*

#### REMIN CARTS SPECIFICATIONS

Model	Supports	Wheel Size	Height Open	Platform Size	Size Closed HWD	Weight	Item #	Price
Concorde IV	175 lbs. (79kg)	5" (12.7cm)	41.75" (106cm)	14.5x9.25" (37 x 24cm)	19.5x14.5x5.75" (50x37x15cm)	9 lbs. (4kg)	REC4	77.95
Concorde V	225 lbs. (102kg)	5" (12.7cm)	45.5" (116cm)	15.5x9" (39 x 23cm)	21.5x15.5x5.5" (55x40x14cm)	101 lbs. (4.5kg)	REC5	92.95
Tri-Kart 750	Same as Concorde V, with rear wheels						RET700	125.95
Super 600	300 lbs. (136kg)	6" (15cm)	48" (122cm)	15.5x12.5" (39 x 23cm)	20x16x6.5" (51x41x17cm)	13 lbs. (5.9cm)	RES600	109.95
Tri-Kart 800	Same as Super 600, with rear wheels						RET800	139.95
TKT-900	300 lbs. (136kg)	6" (15cm)	39" (99cm)	Top 16.75-38.25x18.75" Mid 16.75x18.5" Bottom 17.25x15.38	19x6.5x9.5" (48x17x24cm)	37 lbs. (16.8cm)	RETK900	249.95
Kartmaster	500 lbs. (227kg)	Back 6" (15cm)	Upright 49" (124cm)	18x18.5"	31x20x10.25"	44 lbs.	REKMH500	549.50
HD500 (Black)	(227kg)	Front 8.25" (21cm)	Flatbed 35" (89cm)	(46 x 47cm)	(79x51x26cm)	(20kg)		

Subject to change without notice

### Ruxxac

*The perfect solution for toting a variety of photo and video equipment, computers, convention and presentation materials, heavy suitcases and any heavy loads. Carries up to 275 lbs., yet folds to 2½". Unfolds in seconds, no assembly required. Features a heavy-duty tie-down elastic cord. Lifetime limited warranty.*

**Ruxxac Folding Cart Standard (90751)**  
Dimensions are 27 x 20 x 2.5" (69 x 51 x 6cm) and weighs 11.5 lbs. (5.2kg). Carries 275 lbs. (125kg).

**Item # RUC.....99.95**

**Ruxxac Folding Cart Extra Long (90761)**  
Dimensions are 29.5 x 20 x 2.5 and weighs 12.1 lbs. (5.4kg). Carries 275 lbs. (125kg).

**Item # RUCXL.....109.95**

**Ruxxac Folding Cart Jumbo (90781)**

Made for heavy-duty moving jobs. Carries 550 lbs. (250kg). Dimensions are 49.75x22.5x5" (126x57x13cm) and weighs 28 lbs. (12.7kg).

**Item # RUCJ.....299.50**



MISCELLANEOUS

597



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# POLAROID

## PASSPORT AND I.D. CAMERAS

MISCELLANEOUS

598

*Polaroid the pioneer in instant photography continues with its improved methods to make high quality pictures for passports or other identification documents-in color or in black and white-instantly. The Miniportrait 204 and 203 are designed for the photographer who wants to build a reputation for quality and instant service. Pictures meet virtually all official photo documentation, including US passport size requirements. Plus, they're quick and convenient. That's why they are today's most popular choice for high quality identification portraits for passports, visas, permits and other identification documents.*

### Miniportrait 204 and 203 Passport/I.D. Cameras

#### 204 Two-Lens Miniportrait Camera (621-781)

The Miniportrait 204 optical cut and paste camera features the unique combination of programmability, low cost and exceptional ease-of-use. The camera head includes a base which can be removed and mounted onto a tripod. It pivots so that it can swing down into the camera base for storage and transport, and swings up for picture taking. The Miniportrait produces 2 identical or 2 different portraits on 3 1/4 x 4 1/4 pack film, has an interchangeable camera back, offers apertures from f/10 to f/64, and has a programmable LCD graphic display of step-by-step operational prompts displayed in 4 languages. It offers power-on memory with same-position power-up, x-sync circuit system with on/off, converging light rangefinder, built-in adjustable, multiple auto-timer with audible tone-signals when film is developed, a built-in electronic flash strobe/flash counter, auto shut-off, and an out-of-film sensor. A strobe boost enhances brightness by a 1/2 stop without changing the exposure setting. A key switch prevents unauthorized use. Complete with Miniportrait 204 camera head, camera base and AC/DC adapter.

**Item # PO204.....539.00**

#### 203 Two-Lens Miniportrait Camera (612-428)

Designed for convenient, economical photography, the 203 features a built-in electronic flash similar to the Miniportrait 204 without camera stand, and can be hand-held or tripod mounted. It offers a sonar ranging aid with viewfinder indicators that assures camera to subject distance, 2 shutter speeds: 1/60 and 1/125, parallax corrected bright image viewfinder, and apertures from f/8 to f/32. Produces 2 identical or 2 different portraits on 3 1/4 x 4 1/4 pack film. Powered by 4AA batteries. An AC adapter is optional.

**Item # PO203.....599.95**

### Miniportrait Accessories

#### 2 x 2" Passport Die Cutter (616-213)

**Item # PODCMP.....249.95**

#### 500 Custom Passport Folders (698-184)

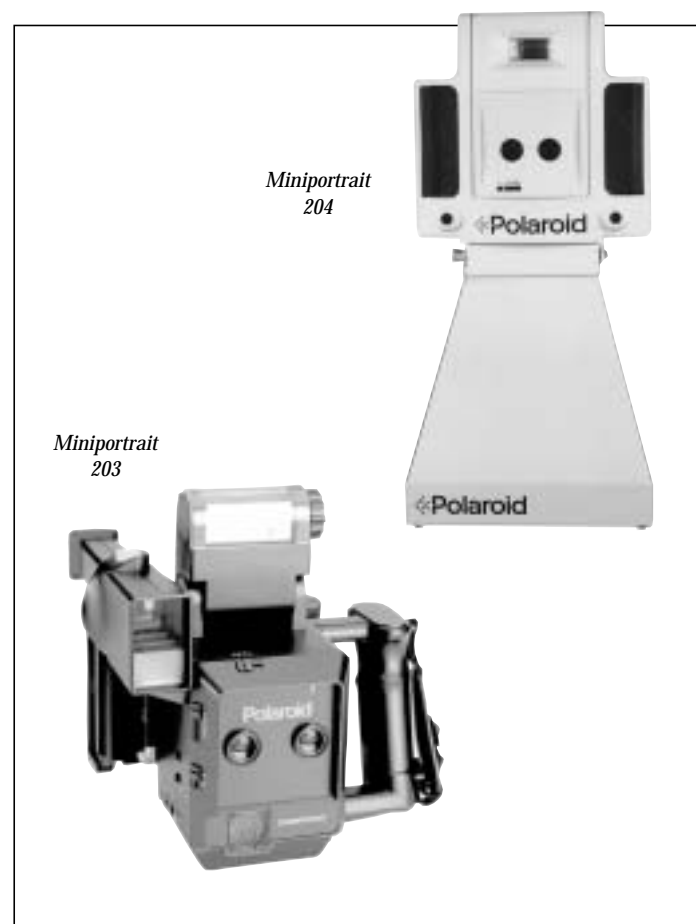
**Item # POPFC.....34.95**

*For battery pack and charger, see next page.*

### MINIPOTRAIT SPECIFICATIONS

Model	Dimensions (H.W.D.)	Weight
Miniportrait 204 (with stand, unfolded)	23.5 x 11 x 9" (59.7 x 27.9 x 22.9cm)	11.7 lbs. (5.3kg)
Miniportrait 204 (without stand)	10.6 x 11 x 5.7" (27 x 28 x 14.5cm)	4.5 lbs. (2041g)
Miniportrait 203	8.3 x 9 x 6" (21 x 23 x 15.5cm)	4 lbs. (1806g)

*Subject to change without notice*



**14-Day Customer Satisfaction Guarantee**

# POLAROID

## I.D. CAMERAS

### ID 104 Econo and ID 104 Deluxe

#### ID 104 Econo Camera (624100)

The ID 104 Econo Camera has all the features you need to create great photos for your ID cards. It Produces one, two or four identical photos on 3¼ x 4¼ pack film. An LED panel indicates camera settings and guides you through operation. It has a built-in strobe with a focus aiming light, which can be set for all lighting conditions. A Strobe Boost allows you to enhance one picture without changing the exposure on the other. The ID 104's memory retains all selected settings when you shut it off, avoiding film waste. The camera head includes a base which can be removed and mounted onto a tripod. It pivots so that it can swing down into the camera base for storage and transport, and swing up for picture tacking. Complete with camera head, film holder, camera base and AC/DC adapter. The dimensions of the camera with the stand unfolded is 23.5 x 11 x 9" (59.7 x 27.9 x 22.9cm) H.W.D. and weighs 11.5 lbs. (5.22kg). The dimensions of the camera only is 11.2 x 10.6 x 6.1" (28.5 x 27 x 15.5cm) H.W.D. and weighs 4.3 lbs. (1942g).

Item # **POID104** ..... **314.95**

#### ID 104 Deluxe Camera (624102)

The same features as the ID 104 Econo plus programmable LCD graphic display of step-by-step operational prompts displayed in 4 languages (English, Spanish, French and Italian), built-in adjustable, multiple auto timer with audible tone-signals when film is developed and a key switch to prevent unauthorized use. Complete with camera head, film holder, camera base and AC/DC adapter. Dimensions of the camera with the stand unfolded is 23.5 x 11 x 9" (59.7 x 27.9 x 22.9cm) H.W.D. and weighs 11.5 lbs. (5.22kg). The dimensions of the camera only is 11.2 x 10.6 x 6.1" (28.5 x 27 x 15.5cm) H.W.D. and weighs 4.3 lbs. (1942g).

Item # **POID104D** ..... **399.95**

#### ID 104/204 Battery Pack (621785)

Item # **POBPID104** ..... **44.95**

#### Laminator (624357)

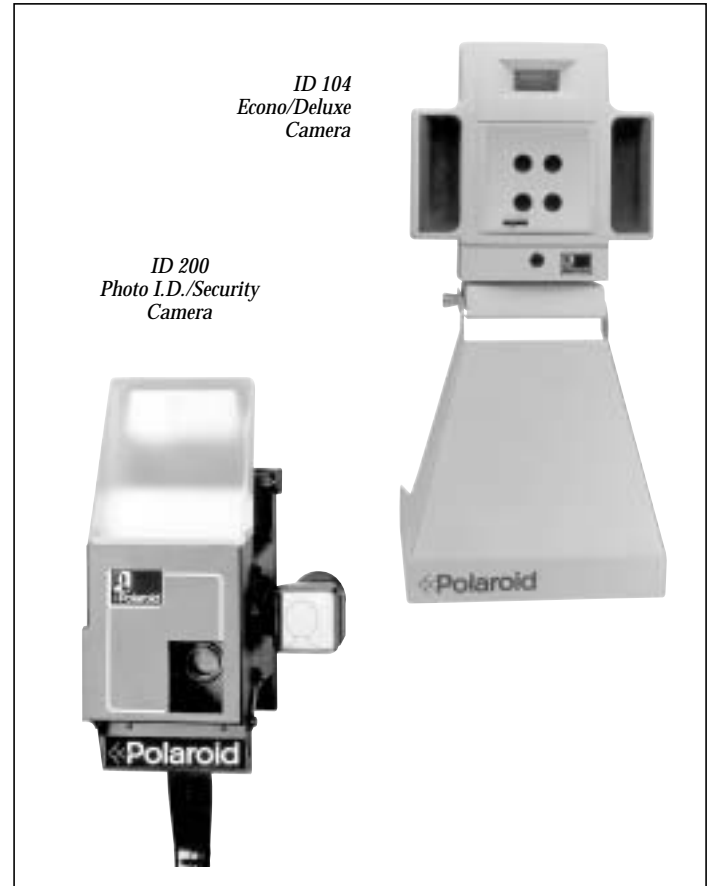
Item # **POLID104** ..... **169.95**

#### Die Cutter (624143)

Item # **PODCID104** ..... **109.95**

#### Carrying Case (621784)

Item # **POCCID104** ..... **144.95**



#### ID 104/204 Battery Charger (621786)

Item # **POBCID104** ..... **52.95**

### ID 200 Photo I.D./Security Camera

#### ID 200 Photo I.D./Security Camera

Security, economy, portability, and ease-of-use is what makes this camera like no other system on the market. You can produce tamper resistant ID cards in minutes. The system includes a hand-held portable camera with a built-in flash, an optional laminator and a die-cutter. You start by inserting a specially sized data card into the camera. Produce two all photo ID cards with portrait, signature, or other customized information on a single sheet of 3¼ x 4¼ pack film. Since the photograph and accompanying information are put together simultaneously, you can feel secure in the knowledge that the data and photos are being processed correctly and safely. The ID 200 features a hand-held, lightweight tripod-mountable camera, a built-in electronic flash, a pistol grip, a bright viewfinder, and two separate "all-photo" ID cards per sheet of film. Powered by 4AA batteries (not included.) An optional AC adapter available. Dimensions are 9.8 x 6.5 x 7.7" (25 x 16.5 x 19.5cm) H.W.D. and weighs 3 lbs. (1396g).

Item # ..... **599.95**

#### ID 200 Laminator (624358)

Item # **POLID200** ..... **169.95**

#### ID 200 Die Cutter (624034)

Item # **PODCID200** ..... **179.95**



THE PROFESSIONAL'S SOURCE (212) 444-6630 • FAX: (212) 239-7770

1 • 8 0 0 • 9 4 7 • 6 6 5 0

# PELICAN

## FLASHLIGHTS

MISCELLANEOUS

600



*Pelican Flashlights are watertight and are made of ABS polycarbonate to take abuse. They are always ready when you are. Most are waterproof to 500 feet. They are available in the following colors: Black = B, Blue = BL, Orange = O, Yellow = Y, White = W, Green = G, Neon Green = NG and Pink = P.*

### PELICAN FLASHLIGHT SPECIFICATIONS

Model #	Colors Available	Candle Power	Features	Weight	Batteries	Item Number	Price
1800C Super Penilite Laser Spot <sup>1</sup>	B, O, Y	10,000	Xenon Lamp Module 400% brighter than std flashlight Supplied with Lanyard	2.6 lb.	2 C Alkaline (not supplied)	PESPL__	19.95
1900C Mitylite Laser Spot <sup>1</sup>	B, BL, W, Y, O, NG	4,000	Xenon Lamp Module 600% brighter than std flashlight Supplied with Spare Lamp, Light Bender, Holding Magnet, Shirt Clip	2.5 oz.	2 AAA Alkaline (supplied)	PEML__	12.95
1950C Mitylite System <sup>1</sup>	B, Y	4,000	Same as 1900C Supplied w/Spare Lamp and O Ring, Light Bender, Red Lens, Belt Sprg Clip	2.5 oz.	2 AAA Alkaline (supplied)	PEML__K	18.50
1970C Super Mitylite LMX <sup>1</sup>	B, Y	6,000	Xenon Lamp Module 600% brighter than std flashlight Supplied with Spare Lamp, Light Bender, Shirt Clip	2.7 oz.	2 AAA Alkaline (supplied)	PESML__	13.95
2000C Super Sabrelite Laser Spot Xenon Professional Flashlight <sup>1</sup>	B, Y, O	12,000	Xenon Lamp Module 400% brighter than std flashlight. Supplied with Belt Spring Clip, Stainless Steel Ring and Black Lanyard. (Meets military specs.)	7 oz.	3 C Alkaline (not supplied)	PESSL__	28.95
2250 CR Versabrite <sup>2</sup>	B	6,000	Xenon Lamp Module can be adjusted to different angles Supplied with Belt Clip, Red Lens, Magnet & Velcro Mtg System to mount on Hard Hat	7 oz.	2 AA Alkaline (supplied)	PEVB	18.95
2270C VersaBrite II Big Beam <sup>2</sup>	B	8,000	Multiple-position swivel head. High performance Xenon lamp module. 4x more coverage than the Versalite. Supplied with shirt clip.	7 oz.	2 AA Alkaline (supplied)	PEVB2	14.95
2300C Mitylight Magnum <sup>1</sup>	B, Y	8,000	Xenon lamp Module 800% brighter than std flashlight	5 oz.	2 AA (supplied)	PESMML__	14.95
2400C Stealthlite <sup>1</sup>	B, Y, O, P, GR	10,000	Xenon Lamp Module 400% brighter than std flashlight, one-hand on/off switch. Supplied with Black Lanyard	5.5 oz.	4 AA Alkaline (not supplied)	PESL__	24.95
2450SC Stealthlite System Rechargeable <sup>1</sup>	B, Y	15,000	High Performance Lamp Module 600% brighter than std flashlight Supplied w/110v Charger, Industrial NiCd Pack, Lanyard. Burn time 1 hr 10 min	1.4 lb.	NiCd Pk incl. PC2459	PESL_K	65.95
2600RS Heads-Up Lite <sup>1</sup>	B	10,000 (high) 6,000 (low)	Includes one high and one low intensity Krypton lamp. Mounts via adjustable heat-resistant rubber strap.	8.6 oz.	4 AA Alkaline (supplied)	PEHUL	29.95
3000B LaserFlex 2D <sup>2</sup>	B	20,000	Multiple-position swivel head. Dual Filament Xenon Lamp. Adjustable 90°. Has intermittent blinker switch. Includes heavy-duty swivel clip. 600% brighter than std flashlight	2 lbs.	2 D Alkaline (not supplied)	PELF2D	44.95
3500C ProLite 4C Dual Beam Xenon Professional <sup>1</sup>	B, Y	40,000	Dual Filament Xenon Lamp. 400% brighter than std flashlight Uses hydrogen catalyst pellets which prevent battery sparking.	11 oz.	4 C Alkaline (not supplied)	PEPL__	39.95
3550MS Pro Light Rechargeable <sup>1</sup>	B, Y	60,000	With high performance Xenon Lamp. Rechargeable. Burn time is 1 hour 10 minutes.	2.5 lbs.	NiCd battery and charger supplied	PEPL_K	96.50
4000MS King Pelican Light Pro 4000 Series <sup>1</sup>	B, Y, O, BL	100,000	Dual Filament Xenon Bulb with unbreakable housing Pistol Grip, Lantern Handle, Lanyard. Burn time 10-12 hours	2.6 lbs.	8 D Alkaline (not supplied)	PEKPL__	63.95
5000MS Britelite, Pro 5000 Series <sup>1</sup>	B, Y, O, BL	60,000	Dual Filament Xenon Lamp. Designed with Pistol Grip Handle, w/Lanyard	2.5 lbs.	4 D Alkaline	PEBLP__	58.95
6000MS Laser Pro 4D <sup>1</sup>	B, Y	60,000	Dual Filament Xenon Bulb, Industrial Professional Multi-Use Spotlight Features Multi-Position Handle w/Lanyard. Burn time 10-12 hours	3.2 lbs.	4 D Alkaline (not supplied)	PELP4D__	69.95
6050SMS Laser Pro System Rechargeable <sup>1</sup>	B, Y	80,000	Ideal for Scuba Diving, Waterproof to 500 Ft. Supplied with 110v Smart Charger and Hi-Capacity Industrial NiCd Pack. Burn time 2 hr. 15 min.	5.8 lbs.	NiCd Pk incl.	PELP4D_K	129.50

Subject to change without notice

<sup>1</sup> Watertight to 500'

<sup>2</sup> Water resistant. Non for scuba applications

**All items are complete with all accessories as supplied by the manufacturer**





# The Professional Photo SourceBook

## Section 15

### Purchasing

Used and Trade-In Information .....	602-603
Shipping Information .....	604-608

# We buy, sell --- USED



## TO SELL

Your old and/or used photo and video equipment is valuable to us. We pay top dollar, and we pay fast.  
It's easy to sell your used equipment to B&H.

### **Here is all you do:**

- *Make a list of items you wish to sell or trade*
- *Call, fax or e-mail our buyers for an estimate and get a quote number*
- *Pack your equipment carefully and insure fully*
- *B&H will inspect your equipment and send you a check*
- *Accurate quotes for fair market price*
- *Efficient and speedy handling of your equipment*
- *Check sent fast as per our agreement*
- *All quotes are contingent on our examination. If necessary, your equipment will be shipped back to you immediately, fully insured*

---

**We buy from:**

**Individuals • Estates • Complete Studios • Collections**

---

***Address to:***

**B&H Photo-Video**

**Used Department Photo (or Video)**

**420 Ninth Avenue • New York, NY 10001**

**Quote #:**



# and trade EQUIPMENT



## TO BUY

Considering buying used equipment? As America's largest photo, video and pro audio dealer, we carry a wide selection of fine pre-owned equipment at considerable savings over new equipment. We also have a tremendous inventory of used one-of-a-kind classic and collectibles. So if you are on a budget or can do without the latest bells and whistles, you can purchase some great used gear and salt away the dollars for the day a new piece of technology comes along that you simply cannot live without.

• *20,000 used pieces in our inventory* •

- *Every preowned item is thoroughly checked, cleaned and/or serviced before being offered for sale*
- *14-day satisfaction guarantee for photo and 7-day for video purchases*
- *90-day limited warranty for photo and 30-day limited warranty for video (optional extended warranty available)*
- *Call today for our current used inventory list, or see our monthly flyer*

**To call the Used Equipment Department:**

*Toll Free in the USA*

**800 947-6650**

*Worldwide and in NY*

**212 444-6630**

*Quick Dial  
Extensions:*

*For Photo, dial 65  
For Video, dial 75*

**To fax:**

**212 239-7540**

**To e-mail:**

**[used@bhphotovideo.com](mailto:used@bhphotovideo.com)**



**420 Ninth Avenue  
New York, N.Y. 10001**

**For orders  
or product  
information:**

*In USA, Call Toll Free:*  
**800.947.6650**  
*Worldwide and In New York:*  
**212.444.6630**

*Fax Toll Free: (24 Hours)*  
**800.947.7008**  
*Fax 24 hours in New York:*  
**212.239.7770**

**Customer  
Service  
inquiries:**

*In USA, Call Toll Free:*  
**800.221.5743**  
*Worldwide and In New York:*  
**212.239.7765**

*Fax Toll Free: (24 Hours)*  
**800.947.2215**  
*Fax 24 hours in New York:*  
**212.239.7549**

**On the web:**

**www.bhphotovideo.com**

**STORE AND MAIL ORDER HOURS:**

**Sunday 10:00-5:00 • Monday thru Thursday 9:00-7:00 • Friday 9:00-1:00**

## PLACING YOUR ORDER IS EASY!

When you call the B & H order department, you will connect with a professionally-trained, courteous sales representative who will:

- Give you any information you need
- Help you decide which equipment suits you best
- Explain specific product features and specs
- Advise you of our unadvertised specials
- Freely quote and compare prices
- Inform you about products not listed in the SourceBook
- Keep you abreast of the latest in photo technology

BY PHONE BY PHONE BY PHONE  
**BY PHONE:**  
PHONE BY PHONE BY PHONE BY  
BY PHONE BY PHONE BY PHONE  
PHONE BY PHONE BY PHONE BY

Call **800-947-6650** or **212-444-6630** during business hours. When using a credit card, please have your credit card number and expiration date ready. We will need the cardholder's billing address, home and daytime phone numbers.\* Should the shipping address be different then the billing address, we will need a ship-to phone number.

**BY FAX:**

Fax your order to our 24-hour fax line: **800-947-7008** or **212-239-7770**. If you are paying by credit card, please indicate billing and shipping addresses, credit card number, expiration date, home and daytime phone numbers, and **sign your order**.<sup>\*</sup> Should the shipping address be different then the billing address, we will need a ship-to phone number. For international orders, please fax a copy of **BOTH** sides of your credit card.

BY MAIL BY MAIL BY MAIL BY MAIL  
MAIL BY MAIL BY MAIL BY MAIL BY  
BY MAIL BY MAIL BY MAIL BY MAIL  
MAIL BY MAIL BY MAIL BY MAIL BY  
**BY MAIL:**  
MAIL BY MAIL BY MAIL BY MAIL BY  
BY MAIL BY MAIL BY MAIL BY MAIL  
MAIL BY MAIL BY MAIL BY MAIL BY  
BY MAIL BY MAIL BY MAIL BY MAIL  
MAIL BY MAIL BY MAIL BY MAIL BY  
BY MAIL BY MAIL BY MAIL BY MAIL

Mail your order to: **B & H Photo-Video-Pro Audio, 420 Ninth Avenue, New York, NY 10001.** For your convenience, an order form is provided at the back of the SourceBook. Please print your name, address, and phone number clearly. Call to confirm prices before sending in your order. **If paying by credit card,** please include billing and shipping addresses, credit card number and expiration date, home and daytime phone numbers, and **sign your order.\*** Should the shipping address be different then the billing address, we will need a ship-to phone number. **If paying by check,** please be sure to include shipping charges. New York State residents must include applicable sales tax, unless an exemption or resale certificate is on file with us.

**ON LINE:**

E-mail your order or inquiry to **photo@bhphotovideo.com**, or see our on-line order form at: **<http://www.bhphotovideo.com/orderform.html>**.

## METHOD OF PAYMENT

**Credit card:**



Credit card orders must include all information as it appears on the credit card account: Card Number, Expiration Date, Name of Cardholder, Billing Address, and Phone Number.

**Check:**

We accept certified checks, bank checks or money orders, as well as personal checks with bank-imprinted name, up to \$15,000. Checks must be in U.S. funds and drawn on a U.S. bank.

**C.O.D.:**

A 10% deposit is required, payable by either check or credit card, which must be received prior to shipment. COD balances are payable only by certified check or money order.

*\*To protect our customers from fraud, all orders are subject to verification procedures. If we cannot reach you to verify your order, there could be a shipping delay.*

Not sure what to get  
for that Special Someone..?



Give the Perfect Gift —

## The B&H Gift Certificate

- Convenient, easy to buy and simple to use
- Good toward any B&H purchase
- Available in any amount
- Sure to please the photo enthusiast on your Give List

## RETURN PROCEDURE

1. You may return an item within fourteen days from date of receipt, minus freight charges, except special order items, software and soft goods (e.g., film, paper, batteries, etc.) after calling Customer Service for prior approval.
2. If an order is refused, you will be credited for the full amount, less shipping and handling. On C.O.D. orders, you will be charged for shipping, handling and C.O.D. charges.
3. Returns must be in brand new condition in the original undamaged packaging with all packaging materials such as instructions, styrofoam inserts, plastic bags and *the original unfilled warranty card*.
4. To return an item, please send a copy of invoice with letter explaining the reason (if defective, please specify defect) and requesting refund or exchange. **Manufacturer's labeled packaging must be enclosed within a shipping carton.**
5. The returned item must be sent to us prepaid. Returns sent C.O.D. or "shipping charges collect" will not be accepted or will be deducted from the refund amount.
6. All returns that do not meet the terms of the B&H return policy outlined on your receipt may be refused at our option, or be subject to a minimum 15% restocking charge if accepted.

If you have any questions about a return, please call Customer Service Toll Free: 800-221-5743, In New York: 212-239-7765

Prices are valid during publication date March 1998. Specifications are those that have been supplied to us by the manufacturers and are subject to change without notice. Photos and tables are for illustration purpose and are subject to change without notice. Not responsible for typographical errors. © 1998 B&H Photo-Video, Inc.



# SHIPPING AND INSURANCE

## U.S.A. WITHIN THE FOLLOWING ZIP CODE RANGES

01011-08999 10000-29999	30000-33999 34100-49999	50000-96199 97000-99499	00600-00799 96700-96798 96800-96899 99500-99999	00800-00899 96799-96799 96900-96999
----------------------------	----------------------------	----------------------------	--	---

### FED EX SAVER (insurance add 50¢ per \$100 for all zones)

Min. \$5.95 for 1st lb. Add 25¢ for ea.	Min. \$5.95 for 1st lb. Add 40¢ for ea.	Min. \$6.95 for 1st lb. Add 75¢ for ea.	—	—
--	--	--	---	---

### FED EX ECONOMY (2nd Day Service to 50 states. 3 day to P.R.) (insurance add 50¢ per \$100 for all zones)

Min. \$10.00 for 1st lb. Add \$1.25 for ea. add. lb.	Min. \$10.00 for 1st lb. Add \$1.50 for ea. add. lb.	Min. \$12.00 for 1st lb. Add \$2.00 for ea. add. lb.	Min. \$17.00 for 1st lb. Add \$2.00 for ea. add. lb.	—
--	--	--	--	---

### FED EX PRIORITY (Overnight Service to 50 states and P.R.; U. S. Territories 3-5 days) (insurance add 50¢ per \$100 for all zones)

Min. \$25.00 for 1st lb. Add \$1.75 for ea. add lb.	Min. \$25.00 for 1st lb. Add \$2.75 for ea. add lb.	Min. \$29.00 for 1st lb. Add \$3.00 for ea. add lb.	Min. \$34.00 for 1st lb. Add \$3.00 for ea. add lb.	Min. \$77.00 for 1st lb. Add \$12.50 for ea. add lb.
---	---	---	---	--

### TRUCK/AIR FREIGHT (insurance add 80¢ per \$100 for all zones)

Min. \$60.00 up to 60 lbs. Add \$1.00 for ea. Add. lb.	Min. \$70.00 up to 60 lbs. Add \$1.00 for ea. Add. lb.	Min. \$75.00 up to 60 lbs. Add \$1.25 for ea. Add. lb.	Min. \$135 up to 60 lbs. Add \$1.75 for ea. Add. lb.	Min. \$240 up to 40 lbs. ADD \$6 FOR EA.
---	---	---	---	---

### AIR MAIL (insurance add \$1.00 per \$100 for all zones)

Min. \$5.95 for 1st lb. Add 70¢ for ea. add. lb.	Min. \$5.95 for 1st lb. Add \$1.25 for ea. add. lb.	Min. \$5.95 for 1st lb. Add \$1.60 for ea. add. lb.	Min. \$5.95 for 1st lb. Add \$1.60 for ea. add. lb.	Min. \$5.95 for 1st lb. Add \$1.60 for ea. add. lb.
---	--	--	--	--

### EXPRESS MAIL up to \$500 value (Includes Insurance)

Min. \$30 for 1st lb. Add \$3.00 for Ea. Add. lb.	Min. \$30 for 1st lb. Add \$3.00 for ea. Add. lb.	Min. \$30 for 1st lb. Add \$3.00 for ea. Add. lb.	Min. \$30 for 1st lb. Add \$3.00 for ea. Add. lb.	Min. \$30 for 1st lb. Add \$3.00 for ea. Add. lb.
--	--	--	--	--

## CANADA

VIA Airmail (Up to \$500 value)	Express Mail (Up to \$500 value) 1, 2 or 3 day delivery	FedEx Economy 2 days to major cities Other areas up to 4 days.	FedEx Overnight most major cities Other areas up to 3 days.
Minimum \$13 1st lb. Add \$1.75 for each add. lb. Insurance \$1.25 per \$100.	Minimum \$40 1st lb. \$4.00 for each additional lb. Includes insurance.	Minimum \$28 1st lb. Add. \$1.50 for each add lb. Insurance 50¢ per \$100	Minimum \$36 1st lb. \$3.50 for each additional lb. Insurance 50¢ per \$100

## INTERNATIONAL (BY COUNTRY RANGE)

	AIRMAIL (Up to \$500 value)	EXPRESS MAIL (Up to \$500 value)	FED EX PRIORITY
Mexico	Min. \$18 for 1st lb. Add \$4 for each add. lb. Insurance \$1.25 per \$100	Min. \$40 for 1st lb. Add \$4 for each add. lb. Includes insurance	Min. \$36 for 1st lb. Add \$3.50 for each add. lb. Insurance 50¢ per \$100
Central and South America	Min. \$26 for 1st lb. Add \$6.50 for each add. lb. Insurance \$1.25 per \$100	Min. \$55 for 1st lb. Add \$11.50 for each add. lb. Includes insurance	Min. \$53 for 1st lb. Add \$11.50 for each add. lb. Insurance 50¢ per \$100
Carribeans	Min. \$18 for 1st lb. Add \$4 for each add. lb. Insurance \$1.25 per \$100	Min. \$55 for 1st lb. Add \$5 for each add. lb. Includes insurance	Min. \$41 for 1st lb. Add \$4.75 for each add. lb. Insurance 50¢ per \$100
Western Europe*, Hong Kong, Japan, Singapore, China, Israel, Phillipines, Taiwan, Thailand	Min. \$26 for 1st lb. Add \$4 for each add. lb. Insurance \$1.25 per \$100	Minimum \$55 for 1st lb. Add \$5 for each add. lb. Includes insurance	Min. \$51 for 1st lb. Add \$5.00 for each add. lb. Insurance 50¢ per \$100
Australia New Zealand	Min. \$26 for 1st lb. Add \$4.00 for each add. lb. Insurance \$1.25 per \$100	Min. \$55 for 1st lb. Add \$6.25 for each add. lb. Includes insurance	Min. \$45.50 for 1st lb. Add \$6.25 for each add. lb. Insurance 50¢ per \$100
Asia**, Africa, Eastern Europe, Gibraltar, Iceland, Pacific Islands	Min. \$26 for 1st lb. Add \$6.50 for each add. lb. Insurance \$1.25 per \$100	Min. \$55 for 1st lb. Add \$12.50 for each add. lb. Includes insurance	Min. \$77.00 for 1st lb. Add \$12.50 for each add. lb. Insurance 50¢ per \$100

\* Except Iceland, Gibraltar (see below)

\*\* Except Hong Kong, Japan Singapore, China, Israel, Phillipines, Taiwan, Thailand (see above)

© 1998 B&H Photo-Video, Inc.



*The*  
**Professional's Source**

**420 Ninth Avenue  
New York, N.Y. 10001**

**For orders  
or product  
information:**

*In USA, Call Toll Free:*  
**800.947.6650**  
*Worldwide and In New York:*  
**212.444.6630**

*Fax Toll Free: (24 Hours)*  
**800.947.7008**  
*Fax 24 hours in New York:*  
**212.239.7770**

**Customer  
Service  
inquiries:**

*In USA, Call Toll Free:*  
**800.221.5743**  
*Worldwide and In New York:*  
**212.239.7765**

*Fax Toll Free: (24 Hours)*  
**800.947.2215**  
*Fax 24 hours in New York:*  
**212.239.7549**

**On the web:**

**www.bhphotovideo.com**

**PLEASE FILL IN ALL INFORMATION:**

Name: \_\_\_\_\_ Address: \_\_\_\_\_ Apt. \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Country: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ e-mail: \_\_\_\_\_

**SHIP TO: (if different than above):**

Name: \_\_\_\_\_ Address: \_\_\_\_\_ Apt. \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Country: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ e-mail: \_\_\_\_\_

Date: \_\_\_\_\_ Amount Enclosed: \$ \_\_\_\_\_ I can be reached during the day at: \_\_\_\_\_

☐ Check ☐ Money Order ☐ AmEx ☐ MasterCard ☐ Visa ☐ Discover

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Bank Issuing Card: \_\_\_\_\_ Exp: \_\_\_\_\_

**ORDER BLANK**

QUAN.	ITEM #	PAGE #		UNIT PRICE	AMOUNT
PHOTO SOURCEBOOK #1 C			SHIPPING: See page 606 for shipping terms		
			N.Y. STATE CUSTOMERS: ADD LOCAL SALES TAX OF YOUR AREA		
Signature: _____				TOTAL	

**Prices are valid during publication date March 1998 and are subject to change without notice.**

**© 1998 B&H Photo-Video, Inc.**

# OrderBlank

[illegible]

**Signature:** \_\_\_\_\_

# The Professional Photo

SourceBook



The Professional's Source  
420 Ninth Avenue  
New York, NY 10001

Do Not Return  
Do Not Forward

BOUND PRINTED MATTER  
BULK RATE  
U.S. POSTAGE  
**PAID**  
B&H PHOTO-VIDEO, INC.

420 Ninth Avenue, New York, NY 10001

*Toll Free:*  
800.947.6650

*Fax:*  
800.947.7008

*In New York:*  
212.444.6630

*Fax:*  
212.239.7770

On the Web: [www.bhphotovideo.com](http://www.bhphotovideo.com)